# Raport Anual

## Institutul de Matematică "Simion Stoilow" al Academiei Române

*2012*

# Contents

# 1 Criterii de performanta in cercetarea stiintifica

## 1.1 Carti de specialitate publicate in strainatate

1. S. Dickinson, A. Levinshtein, C. Sminchisescu; *Perceptual Grouping using Superpixels*, capitol, Springer, 2012.

2. Gheorghe Paun: *Membrane Computing. An Introduction*, Springer-Verkag (2012), pag. 398 ISBN: 978-7-5609-7825-3 (traducere in chineza a unei carti aparute in limba engleza in 2002) (1320 de citari - toate editiile)

   **Alte carti (nepunctate):**
   • Gelu Paşa: *Stability Analysis and Surfactant Effect for some Oil Recovery Models*, Lambert Academic Publishing AG & Co Kg (2012), pag. 60, ISBN:9783 8484 37214
   • T. Albu, I.D. Ion: *Itinerar elementar in Algebra Superioara*, Editia a II-a revazuta si adaugita, **Matrix Rom Bucuresti**, 2012, 380 pagini, ISBN: 978-973-755-843-5.

## 1.2 Volume de specialitate editate in strainatate

1. P. Pucci, V. Rădulescu and H. Weinberger: *Selected Papers of James Serrin*, 2 volumes, 1200 pp., Contemporary Mathematicians, Birkhäuser, Basel, to appear. ISBN: not yet known.

2. J. Serrin, E. Mitidieri, V. Rădulescu: *Advances in Nonlinear Partial Differential Equations*, Contemporary Mathematics Series, American Mathematical Society, 350 pp., to appear. ISBN: not yet known.

3. M.A. Martinez-del-Amor, Gh. Paun et al.) *Proceedings of the Tenth Brainstorming Week on Membrane Computing, Sevilla, 2012*, Fenix Editora, Sevilla, 2012 (2 volume) pag. 322 + 302 ISBN: 978-84-940056-4-4

4. D. Gaşpar, E. Stormer, D. Timotin, F.-H. Vasilescu, editors: *An Operator Theory Summer: Timişoara, June 29–July 4, 2010*, Theta Foundation (2012), pag. 148, ISBN:978-973-87899-8-2., Volum distribuit de Amer. Math. Soc.

## 1.3 Lucrari publicate in reviste cotate Web of Science (Thomson Reuters), cu FI≥ 0.2

1. Tien- Cuong Dinh, George Marinescu, Viktoria Schmidt: *Equidistribution of zeros of holomorphic sections in the non compact setting*, **J. Stat. Phys. 148 , no. 1,** (2012), pag. 113–136 ; FI = 1.397

2. C. Ambrozie: *A Riesz-Haviland type result for truncated moment problems with solutions in $L^1$*, J**. Operator Theory**, acceptata; FI=0.681

3. M Leordeanu, R Sukthankar and M Hebert: *Unsupervised learning for graph matching*, **International Journal of Computer Vision 96(1)** (2012), pag. 28 − 45; FI = 3.741

4. J. Carreira, C. Sminchisescu: *CPMC: Constrained Parametric Min-Cuts for Automatic Object Segmentation*, **IEEE Transactions on Pattern Analysis and Machine Intelligence**, 2012, IF: 4.908

5. A. Levinshtein, C. Sminchisescu, S. Dickinson: *Optimal Image and Video Closure by Super-pixel Grouping*, **International Journal of Computer Vision**, 2012, IF: 3.741

6. Lie, Victor: *On the pointwise convergence of the sequence of partial Fourier sums along lacunary subsequences*, **J. Funct. Anal.** 263 (2012), no. 11, pag. 3391–3411; FI = 1.082

7. Chin-Yu Hsiao, George Marinescu: *Szegö kernel asymptotics and Morse inequalities on CR manifolds*, Journal: **Mathematische Zeitschrift**, Volume 271, Issue 1-2, (June 2012), pag. 509–553; FI = 0.749

8. Ma, Xiaonan; Marinescu, George: *Berezin-Toeplitz quantization on Kähler manifolds*, **Journal für die reine und angewandte Mathematik.** Volume 2012, Issue 662, pag. 1–56, FI = 1.042

9. Tiba Dan Sofonea Mircea Barboteu Michael: *The control variational method for beams in contact with deformable obstacles*, **ZAMM 92** (2012), pag. 25 – 39; FI = 0,863

10. Tiba Dan, Neittaanmaki Pekka: *Fixed domain approaches in shape optimization problems*, **Inverse Problems 28** (2012), pag. 1–35; FI = 1,880

11. V. Dragan, H. Mukaidani, P. Shi: *The linear quadratic regulator problem for a class of controlled systems modeled by singularly perturbed ITO differential equations*, **SIAM J. Control Optimization, 50, 1**, (2012), pag. 448–470; IF = 1,518

12. I. Ivanov, V. Dragan; *Decoupled Stein iterations to the discrete-time generalized Riccati equations*, **IET Control Theory and Applications, 6, 10**, (2012), pag. 1400–1409; IF = 0,99

13. V. Dragan, A. M. Stoica: *Optimal $H_2$ Filtering for a Class of Linear Stochastic Systems with Sampling*, **Automatica, 48,10**, (2012), pag. 2494–2501; IF = 2,829

14. V. M. Ungureanu, V. Dragan, T. Morozan: *Global solutions of a class of discrete-time backward nonlinear equations on ordered Banach spaces with applications to Riccati equations of stochastic control*, **Optimal Control, Applications and Methods**, article first published online: 6 MAR 2012, doi: 10.1002/oca.2015; IF = 0,648

15. V. Ungureanu, V. Dragan: *Stability of discrete-time positive evolution operators on ordered Banach spaces and applications*, **Journal of Difference Equations and Applications**, DOI: 10.1080/10236198.2012.704369, Version first published: 14 Aug 2012; IF = 0,951

16. R. Nicoara, *A finiteness result for commuting squares with large second relative commutant*, **Transactions of the AMS, Vol. 364** (2012), 3685 - 3698, FI= 1.093

17. Valerio Capraro, Florin Radulescu *Cyclic Hilbert Spaces and Connes Embedding Problem*, **Complex Analysis and Operator Theory 6** (2012), Springer Online First, FI=0.600

18. R. Dumitru, C. Peligrad: *Spectra for compact quantum group actions and crossed products*, **Trans. Amer. Math. Soc.,364** (2012), pag. 3699 – 3713; FI = 1.093

19. Belinschi, Serban T.; Collins, Benoît; Nechita, Ion: *Eigenvectors and eigenvalues in a random subspace of a tensor product*, **Inventiones Mathematicae** Online First$^{\text{TM}}$, 21 February 2012 (2012), pag. 51; FI = 2.339

20. Belinschi, S. T.; Shlyakhtenko, D.: *Free probability of type B: analytic interpretation and applications*, **American Journal of Mathematics 134** (2012), pag. 193–234; FI = 1.057

21. Popa, Mihai; Vinnikov, Victor *Non-commutative functions and non-commutative free Levy-Hincin formula*, arXiv:1007.1932, to appear in **Adv. in Math**., FI: 1.177

22. Popa, Mihai *A Fock Space Model for Addition and Multiplication of C-free Random Variables* , arXiv:1012.4162, to appear in **Proc. Amer. Math. Soc**., FI: 0.611

23. Belinschi, Serban; Popa, Mihai; Vinnikov, Victor *On the operator-valued analogues of the semicircle, arcsine and Bernoulli laws*, arXiv:1008.5205, to appear in **J. Operator Theory**, FI: 0.681

24. Popa, Mihai *Realization of conditionally monotone independence and monotone products of completely positive maps*, arXiv:0911.1319, to appear in **J. Operator Theory**, FI: 0.681

25. Belinschi, Serban; Popa, Mihai; Vinnikov, Victor *Infinite divisibility and a non-commutative Boolean-to-free Bercovici-Pata bijection*, **J. Funct. Anal. 262** (2012), no. 1, 94 –123 FI: 1.082

26. V. Rădulescu, D. Repovš: *Combined effects in nonlinear problems arising in the study of anisotropic continuous media*, **Nonlinear Analysis, T.M.A. 75** (2012), 1523-1529; FI=1.536.

27. G. Bonanno, G. Molica Bisci, V. Rădulescu, *Arbitrarily small weak solutions for a nonlinear eigenvalue problem in Orlicz-Sobolev spaces*, Monatshefte für Mathematik **165** (2012), 305-318; FI=0.616.

28. M. Boureanu, V. Rădulescu, *Anisotropic Neumann problems in Sobolev spaces with variable exponent*, **Nonlinear Analysis, T.M.A**. **75** (2012), 4471-4482; FI=1.536.

29. G. Bonanno, G. Molica Bisci, V. Rădulescu, *Quasilinear elliptic non-homogeneous Dirichlet problems through Orlicz-Sobolev spaces*, **Nonlinear Analysis, T.M.A**. **75** (2012); FI=1.536.

30. G. Bonanno, G. Molica Bisci, V. Rădulescu, *Infinitely many solutions for a class of nonlinear elliptic problems on fractals*, **C. R. Acad. Sci. Paris, Ser. I 350** (2012), 187-191; FI=0.384.

31. Andrei Moroianu, Mihaela Pilca : *Higher Rank Homogeneous Clifford Structures* , **acceptat la J. London Math. Soc., in tipar**; arXiv:1110.4260; FI = 0.789

32. L. Yuan, T. Zamfirescu: *Acute triangulations of double planar convex bodies* **Publ. Math. Debrecen 81**, 1-2 (2012) 121–126; FI=0.358

33. K. Adiprasito, T. Zamfirescu: *Large Curvature on Typical Convex Surfaces* **J. Convex Analysis 19**, 2 (2012) 385–391; FI=0.823

34. Ionescu-Kruse D.: *On the particle paths and the stagnation points in small-amplitude deep-water waves*, **Journal of Mathematical Fluid Mechanics** (2012), DOI: 10.1007/s00021-012-0102-5, pag. 1–14; FI=0.768.

35. Ionescu-Kruse D.: *Variational derivation of two-component Camassa-Holm shallow water system*, **Applicable Analysis** (2012), DOI:10.1080/00036811.2012.667082, pag. 1–13; FI=0.744.

36. Ionescu-Kruse D.: *Elliptic and hyperelliptic functions describing the particle motion beneath small-amplitude water waves with constant vorticity*, **Communications on Pure and Applied Analysis 11** (2012), pag. 1475–1496; FI=0.692.

37. Rehana Ashraf, Barbu Berceanu, Ayesha Riasat: *Fibonacci numbers and positive braids*, acceptata la **Ars Combinatoria.** (201x), ; FI = 0.396

38. Barbu Berceanu, Saima Parveen: *Braid groups in complex projective spaces*, **Advances in Geometry Vol 12 Nr 2** (2012), pag. 269-286; FI = 0.386

39. Barbu Berceanu, Saima Parveen: *Fundamental group of Desargues configuration spaces*, acceptata la **Studia Sci. Math. Hungarica** (2012); FI = 0.229

40. A.C. Cojocaru si Á. Tóth, *Distribution and growth of the elementary divisors of the reductions of an elliptic curve over a function field*, Journal of Number Theory 132, 2012, pp. 953–965. FI=0.559

41. A.C. Cojocaru si A.M. Shulman, *An average Chebotarev density theorem for generic rank 2 Drinfeld modules with complex multiplication*, sa apara in Journal of Number Theory. FI=0.559

42. Capraro, V; Păunescu, L: *Product between ultrafilters and applications to Connes' embedding problem* **Journal of Operator Theory Volume 68, Issue 1** (2012), pag. 165 – 172; FI=0.56

43. A. Gheondea, B.E. Ugurcan *On Two Equivalent Dilation Theorems in VH-Spaces.* **Complex Anal. Oper. Theory** 6 (2012), no. 3, 625–650. FI=0.6

44. L.C. Li, I. Nenciu, *The periodic defocusing Ablowitz-Ladik equation and the geometry of Floquet CMV matrices*, **Adv. Math. 231** (2012), pag. 3330–3388; FI=1.177.

45. I. Nenciu, *A note on Poisson brackets for orthogonal polynomials on the unit circle*, urmeaza sa apara in **Monatsh. Math.** (2012); FI=0.616

46. C. Cobeli, M. Vajaitu, A. Zaharescu: *The distribution of rationals in residue classes*, **Math. Rep, vol. 14(64), no. 1** (2012), pag. 1–20. FI=0.293

47. O. Dumitrescu *Plane curves with prescribed triple points: a toric approach*, **Communications in Algebra, 2013** FI=0.347

48. S. Crivei, C. Năstăsescu, L. Năstăsescu: *A generalization of the Mitchell Lemma: the Ulmer Theorem and the Gabriel-Popescu Theorem revisited*, **J. Pure Appl. Algebra 216** (2012), pag. 2126 – 2129; FI = 0.567

49. Vasile Brinzanescu, Andrei Halanay, Guenther Trautmann *Vector bundles on non-Kaehler elliptic principal bundles*, **Ann. Inst. Fourier (Grenoble) 62 (6)** (2012), FI = 0,550

50. B.Saussereau, L.Stoica: *Scalar conservation laws with fractional stochastic forcing: Existence, uniqueness and invariant measure*, **Stoch. Proc. Appl. 122** (2012) pag. 1456-1486.; FI=1.010

51. Stavros Garoufalidis and Ionel Popescu: *Analyticity of Planar Limits of a Matrix Model*, **Annales Henri Poincaré** (2012), online first; FI = 1.211

52. Michel Ledoux and Ionel Popescu: *The One Dimensional Free Poincaré Inequality*, **Transaction of AMS** in press; FI = 1.093

53. Ionel Popescu : *Local One Dimensional Free Inequalities*, **Journal of Functional Analysis** accepted for publication; FI = 1.082

54. D. Gheorghe, F.-H. Vasilescu: *Spectral theory for linear relations via linear operators* **Pacific J. Math. 255** (2012), pag. 349–372; FI = 0.626

55. C. Bereanu, P.J. Torres: *Existence of at least two periodic solutions of the forced relativistic pendulum*, **Proc. Amer. Math. Soc. 140** (2012), pag. 2713–2719; FI = 0.611

56. C. Bereanu, P. Jebelean: *Multiple critical points for a class of periodic lower semicontinous functionals*, **Discrete Cont. Dynamical Systems 33** (2013), pag. 47–66; FI = 0.913

57. Virgil Damian, Constantin Varsan, *Stochastic flows associated with double Wiener processes and Stratonovich curve-line integrals* **Mathematical Reports**, nr.4, 2012; FI=0.28

58. A. Dixit, A. Roy, A. Zaharescu: *Convexity of quotients of theta functions*, **J. Math. Anal. Appl. 386** (2012), pag. 319 – 331; FI = 1.001

59. C. Demeter, A. Zaharescu: *Proof of the HRT conjecture for $(2, 2)$ configurations*, **J. Math. Anal. Appl. 388** (2012), pag. 151 – 159; FI = 1.001

60. B. C. Berndt, Sun Kim, A. Zaharescu: *Weighted divisor sums and Bessel function series, II*, **Adv. Math. 229** (2012), pag. 2055–2097; FI = 1.177

61. M. T. Tsai, A. Zaharescu: *On the sum of consecutive integers in sequences*, **Int. J. Number Theory 8** (2012), pag. 643 – 652; FI = 0.342

62. M. Xiong, A. Zaharescu: *Pair correlation of lattice points with prime constraint*, **Acta Arith. 154** (2012), pag. 29 – 43; FI = 0.435

63. A. Ledoan, A. Zaharescu: *The pair correlation of homothetic images of zeros of the Riemann zeta-function*, **J. Math. Anal. Appl. 395** (2012), pag. 275 – 283; FI = 1.001

64. M. T. Tsai, A. Zaharescu: *On the sum of consecutive integers in sequences II*, **Int. J. Number Theory 8** (2012), pag. 1281–1299; FI = 0.342

65. M. Xiong, A. Zaharescu: *Statistics of the Jacobians of hyperelliptic curves over finite fields*, **Math. Res. Lett. 19** (2012), pag. 255–272; FI = 0.743

66. Y. Lamzouri, A. Zaharescu: *Randomness of character sums modulo m*, **J. Number Theory 132** (2012), pag. 2779–2792; FI = 0.559

67. D. Bowman, A. Zaharescu: *Natural numbers n for which $\lfloor n\alpha + s \rfloor \neq \lfloor n\beta + s \rfloor$*, **Acta Arith. 154** (2012), pag. 217–233; FI = 0.435

68. Enescu, Florian: *A finiteness condition on local cohomology in positive characteristic* **J. Pure Appl. Algebra (2012)**, 216, no. 1, 115–118; FI = 0,567

69. E. Artal Bartolo, J.I. Cogolludo-Agustin, D. Matei: *Characteristic varieties of quasi-projective manifolds and orbifolds*, **Geom. Topol.**, acceptat; FI=1.295.

70. D. Faenzi, D. Matei, J. Valles: *Hyperplane arrangements of Torelli type*, **Compos. Math.**, acceptat; FI=1.187.

71. J.I. Cogolludo-Agustin, D. Matei: *Cohomology algebra of plane curves, weak combinatorial type, and formality*, **Trans. Amer. Math. Soc. 364**, (2012) 5765–5790; FI=1.093.

72. E. Mihailescu *Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms*, **Discrete and Continuous Dynamical Systems 32**, (2012), 2485–2502; FI = 0,941.

73. E. Mihailescu *Approximations of Gibbs states of arbitrary Hölder potentials on hyperbolic folded sets*, **Discrete and Continuous Dynamical Systems 32**, (2012), pag. 961–975; FI = 0, 941.

74. E. Mihailescu *Inverse limits and statistical properties for chaotic implicitly defined economic models*, **Journal of Mathematical Analysis and Applications 394**, (2012), pag. 517–528; FI = 1, 305.

75. E. Mihailescu *On some coding and mixing properties on folded fractals*, **Monatshefte fuer Mathematik 167**, (2012), pag. 241–255; FI = 0, 615.

76. I.Coandă: *A simple proof of Tyurin's Babylonian tower theorem*, **Commun. Algebra 40** (2012), pag. 4668 – 4672; FI = 0.347

77. Aurel Gaba, Radu Gaba: *Mathematical model and computation program of the chamber furnace of boilers for air pollution reduction*, **Environmental Engineering and Management Journal, Vol. 11, No. 3** (2012), pag. 557 – 566; FI = 1.004

78. Yulij Ilyashenko, Andrei Negut: *Holder properties of perturbed skew products and Fubini regained*, **Nonlinearity 25** (2012), pag. 2377–2399; FI = 1.386

79. Itoh, Jin-ichi; Vîlcu, Costin: *Cut locus structures on graphs*, **Discrete Math. 312** (2012), pag. 524–531; FI = 0.519

80. V. Alexandru, N. Popescu, M. Vajaitu, A. Zaharescu: *Representation Results for Equivariant Rigid Analytic Functions*, **Algebr. Represent. Theory, 12, no. 1** (2012), pag. 137 – 145; FI = 0.595

81. S. Achimescu, V. Alexandru, N. Popescu, M. Vajaitu, A. Zaharescu: *The behavior of rigid analytic functions around orbits of elements of $C_p$*, **Rend. Semin. Mat. Univ. Padova Vol. 127** (2012), pag. 193–211; FI = 0,254

82. M. Vajaitu, A. Zaharescu: *An algebraic-metric equivalence relation over p-adic fields*, **Glasgow Mathematical Journal, Vol. 54** (2012), pag. 715–720; FI = 0,571

83. C. Cobeli, M. Vajaitu, A. Zaharescu: *The distribution of rationals in residue classes*, **Math. Rep, vol. 14(64), no. 1** (2012), pag.1–20; FI= 0,293

84. V. Alexandru, N. Popescu, M. Vajaitu, A. Zaharescu: *On the zeros of Krasner analytic functions*, **Algebr. Represent. Theory, to appear**; FI = 0.595

85. M. Vajaitu: *Integral representations and the behavior of Krasner analytic functions around singular points*, **Algebr. Represent. Theory, to appear**; FI = 0.595

86. P. Stănică, S. Gangopadhyay, A. Chaturvedi, A.K. Gangopadhyay, S. Maitra, *Investigations on bent and negabent functions via the nega-Hadamard transform*, IEEE Transactions Inform. Theory 58:6 (2012), 4064–4072; FI=3.009.

87. F. Luca, P. Stănică, *On the Euler function of the Catalan numbers*, J. Number Theory 132 (2012), 1404–1424; FI=0.478.

88. J. Fox, R. Gera, P. Stănică, *The Independence Number for the Generalized Petersen Graphs*, Ars Combinatoria 103 (2012), 439–451; FI=0.268.

89. Mihai D. Staic: *Secondary Cohomology and k-invariants*, **The Bulletin of the Belgian Mathematical Society 19** (2012), pag. 561-572. FI = 0.397

90. Cornean, Horia D.; Duclos, Pierre; Purice, Radu: *Adiabatic non-equilibrium steady states in the partition free approach*, **Annales Henri Poincar 13** (2012), pag. 827856; FI = 1.211

91. A. Capatina, H. Ene, C. Timofte, *Homogenization results for elliptic problems in periodically perforated domains with mixed-type boundary conditions*, **Asymptotic Analysis 80** (2012), pag. 45-56; FI = 0,413

92. B. Prunaru: *Lifting fixed points of completely positive semigroups*, **Integral Equations and Operator Theory 72** (2012), pag. 219–222; FI = 0.626

93. N.C. Bonciocat, M. Cipu, M. Mignotte: *On D(−1) - quadruples*, **Publ. Math. 56(2)** (2012), pag. 279 – 304; FI = 0.660

94. N.C. Bonciocat, Y. Bugeaud, M. Cipu, M. Mignotte: *Some Pólya type irreducibility criteria for multivariate polynomials*, **Comm. Algebra. 40(10)** (2012), pag. 3733 – 3744; FI = 0.347

95. Nicuşor Costea & Andaluzia Matei: *Contact models leading to variational-hemivariational inequalities*, **J. Math. Anal. Appl. 386** (2012), pag. 647-660; FI = 1.001

96. Nicuşor Costea & Vicenţiu Rădulescu: *Inequality problems of quasi-hemivariational type involving set-valued operators and a nonlinear term*, **J. Global Optim. 52** (2012), pag. 743-756; FI = 1.196

97. Nicuşor Costea, Cezar Lupu & Daniel Alexandru Ion: *Variational-like inequality problems involving set-valued maps and generalized monotonicity*, **J. Optimiz. Theory Appl. 155** (2012), pag. 79-99; FI = 1.062

98. A.-I. Bonciocat: *Lower Ricci curvature bounds for metric measure spaces.* **Math. Rep. 14 (3)** (2012), pag. 253 – 278; FI = 0.293

99. Isabelle Gruais, Dan Polişevski: *Asymptotic heat equation for crossing superconductive thin walls*, **Applicable Analysis 91** (2012), pag. 2029 – 2043; FI = 0.744

100. M. Cipu, M. I. Qureshi: *On the behaviour of Stanley depth under variable adjunction*, **Bull. Soc. Sci. Math. Roum. 55 (103)** (2012), 129–146. FI = 0,507

101. H. Bercovici, D. Timotin: *Factorization of analytic self-maps of the half-plane*, **Ann. Acad. Sci. Fenn. 37** (2012), pag. 1–12; FI = 0.675.

102. L. Badea and R. Krause, *One- and two-level Schwarz methods for variational inequalities of the second kind and their application to frictional contact*, **Numer. Math., 120**, 4 (2012), pp. 573-599, FI= 1.321.

103. Liviu Ornea, M. Verbitsky, V. Vuletescu: *Blow-ups of locally conformally Kaehler manifolds*, **International Mathematics Research Notices** (2012), doi:10.1093/imrn/rns128. FI = 1,014

104. Liviu Ornea, M. Verbitsky: *Locally conformally Kaehler manifolds admitting a holomorphic conformal flow*, **Mathematische Zeitschrift** (2012) DOI 10.1007/s00209-012-1022-z. FI=0,749

105. A. Futaki, K. Hattori, Liviu Ornea: *An integral invariant from the viewpoint of locally conformally Kaehler geometry*, **Manuscripta Mathematica** (2012) DOI: 10.1007/s00229-011-0527-9. FI=0,430

106. S. Ianuş, G.E. Vîlcu, Liviu Ornea: *Submanifolds in manifolds with metric mixed 3-structures*, **Mediterranean Journal of Mathematics 9** (2012), 105–128. FI=0,463

107. S. Marchiafava, Liviu Ornea, R. Pantilie: *Twistor theory for CR quaternionic manifolds and related structures*, **Monatshefte fuer Mathematik 167 no. 3-4** (2012),531–545. FI=0,616

108. Liviu Ornea, M. Verbitsky: *Automorphisms of locally conformally Kaehler manifolds*, **International Mathematics Research Notices 4** (2012), 894–903. FI = 1,014

109. R. Pantilie *Generalized quaternionic manifolds*, **Ann. Mat. Pura Appl.** DOI 10.1007/ s10231-012-0294-6; FI = 0.838

110. I. Melbourne, V. Nitica, A. Torok *Transitivity of Heisenberg group extensions of hyperbolic systems* **Ergodic Theory and Dynamical Systems 32** (2012), pag. 223–235; FI=0.702

111. V. Nitica, I. Singer *Topical functions on semimodules and generalizations* **Lin Alg Appl 437** (2012), pag. 2471–2488; FI=0.974

112. S. Burciu: *Depth one extensions of semisimple algebras and Hopf sublgebras,* **Algebras and Representation Theory online first** (2012), pag. 1 – 12; FI=0.595

113. S. Burciu: *Quantum doubles of rank two pointed Hopf algebras,* **Commun. Algebra, 40** (2012), pag. 4240 – 4254; FI=0.347

114. S. Burciu: *On Normal Hopf Subalgebras of Semisimple Hopf Algebras,* **Algebras and Representation Theory 15** (2012), pag. 491 – 506; FI=0.595

115. S. Burciu: *Kernels of representations and coideal subalgebras of Hopf algebras,* **Glasgow Math. J. 54** (2012), pag. 107–119; FI=0.571

116. M. Coltoiu , C. Joita: *On the open immersion problem, Math. Ann.,* acceptata. FI=1.297

117. M.Coltoiu.,N.Gasitoi,C.Joita.: *On the image of an algebraic projective space,* **C.R. Acad. Sci. Paris 350 No.5-6** (2012), pag. 239-141; FI = 0.384

118. M.Coltoiu,C.Joita: *The disk property of coverings of 1-convex surfaces,* **Proc. AMS 140,No.2** (2012),575-580; FI=0.611

119. M.Coltoiu,C.Joita.C,M.Tibar: *q-convexity properties of the coverings of a link singularity,* **Publ. Res. Inst. Math. Sci. 48, No.2** (2012),409-417;FI=0.450

120. Jurgen Herzog, Dorin Popescu, Marius Vladoiu: *Stanley depth and size of a monomial ideal,* **Proceedings of AMS, 140** (2012), 493-504; FI=0,611,

121. Dorin Popescu: *Graph and depth of a square free monomial ideal,* **Proceedings of AMS,140** (2012), 3813-3822; FI=0,611,

122. N. Popa: *A class of Schur multipliers on some quasi-Banach spaces of infinite matrices,* **J. Funct. Spaces and Appl., vol 2012,** pag.11; Article ID 142731: doi: 10.1155/2012/142731: FI = 0,667.

123. Barbu Berceanu, Florin Nichita, Calin Popescu: *Algebra Structures Arising from Yang-Baxter Systems,* **Communications in Algebra,** va aparea; FI=0.35

124. U. Kohlenbach, L. Leuştean: *Effective metastability of Halpern iterates in CAT(0) spaces,* **Advances in Mathematics 231** (2012), pag. 2526-2556; FI=1.177

125. U. Kohlenbach, L. Leuştean: *On the computational content of convergence proofs via Banach limits ,* **Philosophical Transactions of the Royal Society A 370** (2012), pag. 3449-3463; FI=2.773

126. Gh. Paun, M.J. Perez-Jimenez: An infinite hierarchy of languages defined by dP systems, *Theoretical Computer Sci.,* 431 (2012), 4–12, FI = 0.665

127. C. Vasile, A.B. Pavel, Gh. Paun, I. Dumitrache: On the power of enzymatic numerical P systems, *Acta Informatica*, 49,6 (2012), 395–412, FI = 0.444

128. Gh. Paun, M.J. Perez-Jimenez: P automata revisited, *Theoretical Computer Science* 454 (2012), 222–230, FI = 0.665

129. Gh. Paun. M.J. Perez-Jimenez: Towards bridging two cell-inspired models: P systems and R systems, *Theoretical Computer Sci.*, 429 (2012), 258–264, FI = 0.665

130. T. Song, L. Pan, Gh. Paun: Asynchronous spiking neural P systems with local synchronization, *Information Sciences*, 219 (2013), 197–207, FI = 0.283

131. Stan, Florin; Zaharescu, Alexandru: *The Siegel norm of algebraic numbers*, **Bull. Math. Soc. Sci. Math. Roumanie (N.S.) 55(103)** (2012), pag. 69 – 77; FI = 0.507

132. Zaheer Ahmad, Tiberiu Dumitrescu and Mihai Epure: *A Schreier domain type condition*, **Bull. Math. Soc. Sci. Math. Roumanie, TOME 55 (103), no. 3** (2012), pag. 241 – 247; FI = 0.507

133. M. Buliga, G. de Saxcé, C. Vallée: *A variational formulation for constitutive laws described by bipotentials*, **Math. Mech. Solids doi: 10.1177/1081286511436136** (2012) ; FI = 1.012

134. I. Beltiţă, D. Beltiţă: *Faithful representations of infinite-dimensional nilpotent Lie algebras*, **Forum Mathematicum** (DOI: 10.1515/forum-2012-0085); FI = 0.607

135. I. Beltiţă, D. Beltiţă: *Algebras of symbols associated with the Weyl calculus for Lie group representations*, **Monatshefte für Mathematik 167** (2012), no. 1, pag. 13–33; FI = 0.616

136. D. Beltiţă, K.-H. Neeb: *Schur-Weyl Theory for $C^*$-algebras*, **Mathematische Nachrichten 285** (2012), no. 10, 1170–1198; FI = 0.682

137. Marian Aprodu, Ruxandra Moraru, Matei Toma: *Two-dimensional moduli spaces of vector bundles over Kodaira surfaces*, **Advances in Math. 231** (2012), pag. 1202 – 1215, FI = 1.177

138. Marian Aprodu, Vasile Brînzănescu, Marius Marchitan, *Rank-two vector bundles on Hirzebruch surfaces* **Central European J. Math. 10-4** (2012), pag. 1321 – 1330 FI = 0,44

139. L. Maxim, J. Schürmann: *Twisted genera of symmetric products*, **Selecta Mathematica 18** (2012), no. 1, pag. 283–317; FI = 0.879

140. S. Cappell, L. Maxim, J. Schürmann, J. Shaneson: *Equivariant characteristic classes of complex algebraic varieties*, **Communications on Pure and Applied Mathematics 65** (2012), no. 12, pag. 1722–1769; FI = 2.575

141. D. V. Alekseevsky, L. David: *Invariant generalized complex structures on Lie groups*, **Proceedings of the London Mathematical Society, DOI: 10.1112/plms/pds017** (2012), 27 pagini; FI= 1.324

142. L. David: *A prolongation of the conformal-Killing operator on quaternionic-Kähler manifolds*, **Annali di Matematica Pura ed Applicata 191** (2012), pag. 595–610; FI=0.838

143. D V. Alekseevsky, L. David: *A note about invariant SKT-structures and generalized Kähler structures on flag manifolds*, **Proceedings of the Edinburgh Mathematical Society 55** (2012), pag. 543–549; FI=0.415

144. Ignat, Liviu I.; Zuazua, Enrique *Convergence rates for dispersive approximation schemes to nonlinear Schrödinger equations* **J. Math. Pures Appl. 98**, (2012), vol. 5, 479-517, F.I.=1.295

145. Ignat, Liviu I.; Rossi, Julio D.; San Antolin, Angel *Lower and upper bounds for the first eigenvalue of nonlocal diffusion problems in the whole space* **JOURNAL OF DIFFERENTIAL EQUATIONS, 252** (2012), no. 12, Pages: 6429-6447, FI = 1.277

146. Ignat, Liviu I.; Pazoto, Ademir F.; Rosier, Lionel *Inverse problem for the heat equation and the Schrodinger equation on a tree* **INVERSE PROBLEMS 28** (2012), (1) Article Number: 015011, FI = 1.880

147. Mihai Prunescu: $\mathbb{F}_p$-*affine recurrent n-dimensional sequences over $\mathbb{F}_q$ are p-automatic*, **European Journal of Combinatorics, 34, 1** (2013), pag. 260 – 284; FI = 0.677.

148. Paul Loya, Sergiu Moroianu, Raphael Ponge, *On the singularities of the zeta and eta functions of an elliptic operator*, **International Journal of Mathematics 23**, No. 6 (2012) 1250020. FI=0.397

149. Sylvain Golénia, Sergiu Moroianu, *The spectrum of k-form Schrodinger Laplacians on conformally cusp manifolds*, **Transaction of the American Mathematical Society 364** (2012), 1–29. FI= 1.093

150. Colin Guillarmou, Sergiu Moroianu, Jinsung Park: *Bergman and Calderón Projectors for Dirac Operators*, **Journal of Geometric Analysis** (2012) FI=0.761

151. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012), pag. 561–586, FI = 0.611.

152. R. Diaconescu: *An axiomatic approach to structuring specifications*, **Theoretical Computer Science 433** (2012), pag. 20–42, FI = 0.665.

153. R. Diaconescu: *Interpolation for predefined types*, **Mathematical Structures in Computer Science 22(1)** (2012), pag. 1–24, FI = 0.69.

154. G. Panasenko, R. Stavre: *Asymptotic analysis of the Stokes in a thin cylindrical elastic tube*, **Appl. Anal., 91** (2012), pag. 1999 – 2027; FI = 0.744

155. R. Fares, G. Panasenko, R. Stavre: *A viscous fluid flow through a thin channel with mixed (rigid-elastic) boundary. Variational and asymptotic analysis*, **Abstract and Applied Analysis 2012** (2012), ID 152743, 47 p.; FI = 1.318

156. Grigory P. Panasenko, Ruxandra Stavre: *Asymptotic analysis of a viscous fluid-thin plate interaction: Periodic flow* **C. R. Mécanique 340** (2012), pag. 590 – 595; FI = 0.799

157. F. Panaite, *Invariance under twisting for crossed products*, **Proceedings of the American Mathematical Society 140(3)** (2012), pag. 755–763; FI=0.611

158. F. Panaite, *More examples of invariance under twisting*, **Czechoslovak Mathematical Journal 62(1)** (2012), pag. 187–195; FI=0.262

## 1.4 Lucrari publicate in reviste cotate Web of Science (Thomson Reuters), cu FI$< 0.2$

1. Rouyer, Joël; Vîlcu, Costin: *Sets of tetrahedra, defined by maxima of distance functions*, **An. Sti. U. Ovid. Co-Math XX** (2012), pag. 197–2012; FI = 0.052

2. W. G. Boskoff, Ş. Bărcănescu, Al. Bobe: *On the non-generic Tzitzeica-Johnson Configuration*, **An. Ştiinţ. Univ. Ovidius Constanta 20** (2012), 27–34; FI = 0,052

## 1.5 Lucrari publicate in alte reviste

1. C. Ambrozie: *On a variational approach to truncated problems of moments*, **Math. Bohemica**, acceptata.

2. Ilie Valusescu, *Notes on continuous parameter periodically $\Gamma$-correlated processes*, **An. Univ. Timişoara 50 (2012)**, pag. 115 – 125.

3. Constantinescu, Alexandru:
   *Veronese Algebras and Modules of Rings with Straightening Laws*,
   **Journal of Commutative Algebra, vol. IV**, Issue 2, pp.229–254, (2012).

4. V.M. Ungureanu, V. Dragan, *Nonlinear differential equations of Riccati type on ordered Banach spaces.* **Electronic Journal of Qualitative Theory of Differential Equations Proc. 9th Coll. QTDE, 17**, (2012), pag. 1–22.

5. V. Rădulescu, *Noncoercive elliptic equations with subcritical growth*, Discrete and Continuous Dynamical Systems – Series S **5** (2012), 857-864.

6. V. Rădulescu, *Noncoercive elliptic equations with subcritical growth*, Discrete and Continuous Dynamical Systems – Series S **5** (2012), 857-864.

7. C. Anghel: *Restriction of stable bundles on an abelian surface. The $c_2 = 1$ case*, **Acta Univ. Apulensis Math. Inform. nr. 31** (2012), acceptata.

8. V.I Ursu: *On quasivarieties of nilpotent Moufang loops.I*, **Commentationes mathematicas Universitatis Carolinae 53** (2012), pag. 476–489

9. V.I Ursu: *On quasivarieties of nilpotent Moufang loops.II*, **Commentationes mathematicas Universitatis Carolinae 53** (2012), pag. 491–499

10. E. Artal Bartolo, J.I. Cogolludo-Agustin, D. Matei: *Orbifold groups, quasi-projectivity and covers*, **J. of Singul. 5** (2012), pag. 33–47.

11. Achimescu, Sever *The congruence number problem over real quadratic fields* **Romanian Journal of Mathematics and Computer Science Vol.2** (2012), pag. 11 – 16

12. Marius Mantoiu, Radu Purice: *Abstract composition laws and their modulation spaces*, **Journal of Pseudo-Differential Operators and Applications, 3** (2012), pag. 283 – 307;

13. A. Capatina, H. Ene, C. Timofte: *On the asymptotic behaviour of elliptic problems in periodically perforated domains with mixed-type boundary conditions*, **Transilvania University of Braşov, Series III: Mathematics, Informatics, Physics 4** (2012)

14. Florin Nichita, Bartosz Zielinski: *The duality between corings and ring extensions*, **Axioms 1(2)**, 2012, pag. 173-185.

15. David Hobby, Florin Nichita: *Solutions to the Set-Theoretical Yang-Baxter Equation derived from relations*, **Acta Universitatis Apulensis, No. 30**, 2012, pag. 15-23.

16. Florin Nichita: *Introduction to the Yang-Baxter Equation with Open Problems*, **Axioms 1(1)**, 2012, pag. 33-37.

17. Florin Nichita, Bogdan Popovici: Yang-Baxter operators from algebra structures and Lie superalgebras, **Acta Universitatis Apulensis, No. 29**, 2012, pag. 325-334.

18. Gh. Paun, M.J. Perez-Jimenez: Languages and P systems: Recent developments, *Computer Sci. J. of Moldova*, 20, 2 (59), 2012.

19. Valentin Grecea: *Jumps of the Canonical Process Associated with a Ray Semigroup*, **Markov processes and related fields 18** 2 (2012), p.333-341.

20. M. Banagl, L. Maxim: *Intersection spaces and hypersurface singularities*, **Journal of Singularities 5** (2012), pag. 48–56

21. Mihai Prunescu: *Linear recurrent double sequences in $M_2(\mathbb{F}_2)$ are classified according to their geometric content,*

22. H. Albuquerque, F. Panaite, *Some (Hopf) algebraic properties of circulant matrices*, **Algebra and Discrete Mathematics 13(1)** (2012), pag. 1–17

## 1.6 Lucrari prezentate la manifestari stiintifice internationale, publicate integral intr-o revista cotata de Web of Science (Thomson Reuters)

1. Mihaela Pilca : *On Formal Riemannian Metrics* , **Analele Stiintifice ale Universitatii Ovidius Constanta vol XX, fasc. 2** , 10th International Workshop on Differential Geometry and its Applications, Constanţa , August 2011 , editori: Mirela Stefanescu, Alexandru Bobe , ( 2012 ), pag. 131 – 144 ; FI = 0.052

2. M. Leordeanu, C. Sminchisescu: *Efficient Hypergraph Clustering*, **Journal of Machine Learning Research, Artificial Intelligence and Statistics (JMLR)**, 2012.

## 1.7 Lucrari prezentate la manifestari stiintifice internationale, publicate integral intr-o editura consacrata din strainatate

1. E. Bazavan, F. Li, C. Sminchisescu: *Fourier Kernel Learning* **Springer, European Conference on Computer Vision**, 2012.

2. M. Leordeanu, R. Suhktankar, C. Sminchisescu: *Closed-Form Solution for Efficient Boundary Detection* **Springer, European Conference on Computer Vision**, 2012.

3. S. Mathe, C. Sminchisescu: *Dynamic Eye Movement Datasets and Learned Saliency Models for Visual Action Recognition* **Springer, European Conference on Computer Vision**, 2012.

4. A. Diaconu, P. Garrett şi D. Goldfeld, *Moments for L–functions for $GL_r \times GL_{r-1}$*, **Contributions in Analytic and Algebraic Number Theory. Festschrift for S. J. Patterson, Springer Proceedings in Math. 9, 2012**, pag. 197–227.

5. Jasmin Christian Blanchette and Andrei Popescu and Daniel Wand and Christoph Weidenbach, *More SPASS with Isabelle - Superposition with Hard Sorts and Configurable Simplification*, **Interactive Theorem Proving (ITP)** (2012), pag. 345 – 360

6. Dmitriy Traytel and Andrei Popescu and Jasmin Christian Blanchette, *Foundational, Compositional (Co)datatypes for Higher-Order Logic: Category Theory Applied to Theorem Proving*, **Logic in Computer Science (LICS)** (2012), pag. 596 – 605;

7. E. Mihailescu: *Hyperbolic dynamics on folded saddle sets*, **Mathematisches ForschungInstitut Oberwolfach Reports 3/2012**, Thermodynamic Formalism, Geometry and Stochastics, Oberwolfach, 2012, eds. B. Stratmann, M. Urbanski si A. Zdunik, pag. 31-34, DOI: 10.4171/OWR/2012/03.

8. E.M. McCay, J.T. Butler, P. Stănică, *Computing Algebraic Immunity by Reconfigurable Computer*, Proceedings of the 10th International Workshop on Boolean Problems, Freiberg, Germany, Sept. 2012, 225–232.

9. Marian Aprodu, Gavril Farkas: *Green's Conjecture for general covers*, **Compact moduli spaces and vector bundles**, editori: Valery Alexeev, University of Georgia, Athens, GA, Angela Gibney, University of Georgia, Athens, GA, Elham Izadi, University of Georgia, Athens, GA, János Kollár, Princeton University, Princeton, NJ, Eduard Looijenga, Universiteit Utrecht, Utrecht, The Netherlands, Contemporary Math., AMS, Vol. 564 (2012), pag. 211 – 226, ISBN: 978-0-8218-6899-7 (p); 978-0-8218-8537-6 (e)

10. L. David: *F-manifolds and eventual identities*, **Oberwolfach Reports, 23/2012**, Singularity theory and Integrable Systems, Oberwolfach, 24-28 aprilie 2012, editura: Mathematisches Forschungsinstitut Oberwolfach si European Mathematical Society Publishing House (2012), DOI:10.4171/OWR/2012/23, pag. 29–31, ISBN:1660-8933

## 1.8 Capitole in volume colective editate intr-o editura consacrata din strainatate

1. R. Diaconescu: *Three decades of institution theory*, **Universal Logic: An Anthology**, editor: Jean-Yves Béziau, Springer Basel (2012), pag. 309–322 ISBN: 978-3-0346-0144-3.

2. Hiroaki Mukaidani, Toru Yamamoto, Vasile Dragan, *Nash Strategy of Multiparameter Singularly Perturbed Markov Jump Stochastic Systems with State- and Control-Dependent Noise* **American Control Conference** Fairmont Queen Elizabeth, Montreal, Canada, June 27-June 29, (2012), pag. 1621–1626, Print ISBN: 978-1-4577-1095-7 E-ISBN: 978-1-4673-2102-0

3. A. Diaconu, P. Garrett şi D. Goldfeld, *Natural boundaries and integral moments of $L$–functions,* **Multiple Dirichlet Series, $L$–Functions and Automorphic Forms, Progress in Mathematics 300, Birkhäuser Boston, 2012**, pag. 147–172.

4. Aida Timofte, Vlad Timofte: *Analysis of a thermomechanical model of shape memory alloys Encyclopedia of materials science research*, editori: Batukhan B. Chinbat and Sora H. Mori, Nova Science Publishers, New York (2012), ISBN: 978-1-61209-954-5

5. Enescu, Florian *Finite-dimensional vector spaces with Frobenius action* **Progress in commutative algebra 2, 2012** 101–128, Walter de Gruyter, Berlin. ISBN: 978-3-11-027859-0

6. Horia D. Cornean, Radu Purice: *On the Regularity of the Hausdorff Distance Between Spectra of Perturbed Magnetic Hamiltonians*, **Spectral Analysis of Quantum Hamiltonians, Operator Theory: Advances and Applications Volume 224**, editori: Rafael Benguria, Eduardo Friedman, Marius Mantoiu, Springer Basel (2012), pp 55-66; ISBN: 978-3-0348-0413-4

7. Florin Nichita: *On Models for Transdisciplinarity*, **Transdisciplinarity and Sustainability, Editor: Basarab Nicolescu, TheATLAS Publishing (Lubbock, Texas)**, 2012, capitolul 5, pag. 52-56, ISBN: 0-9778129-5-2.

8. Gh. Paun: Towards "fypercomputations" (in membrane computing), *Languages Alive. Essays Dedicated to Jurgen Dassow on the Occasion of His 65 Birthday* (H. Bordihn, M. Kutrib, B. Truthe, etcs.), LNCS 7300, Springer, Berlin, 2012, 207–221.

9. Gh. Paun: Membrane computing, *Handbook of Natural Computing*, Springer-Verlag, 2012, Vol. 3, 1355–1377.

10. Gh. Paun: DNA computing by splicing and by insertion-deletion, *Handbook of Natural Computing*, Springer-Verlag, 2012, Vol. 3, 1185–1202.

11. Gh. Paun, M.J. Perez-Jimenez: dP automata versus right-linear simple matrix grammars, *Computation, Physics and Beyond* (M.J. Dinneen et al. eds.), LNCS 7160, Springer, 2012, 376–387.

12. C. Făciu: *Thermoelastic bar theory*, **Encyclopedia of Thermal Stresses**, editor: Richard Hetnarski, Springer (2012), pag. (17), ISBN:978-94-007-2740-3

13. C. Făciu: *Maxwellian rate-type thermo-viscoelastic bar theory - an approach to non-monotone thermoelasticity*, **Encyclopedia of Thermal Stresses**, editor: Richard Hetnarski, Springer (2012), pag. (19), ISBN:978-94-007-2740-3

14. C. Făciu: *Pseudoelasticity and shape memory effect - a Maxwellian rate-type approach*, **Encyclopedia of Thermal Stresses**, editor: Richard Hetnarski, Springer (2012), pag. (22), ISBN:978-94-007-2740-3

15. C. Făciu: *Heat conduction and viscosity as structuring mechanisms for shock waves in thermoelastic materials*, **Encyclopedia of Thermal Stresses**, editor: Richard Hetnarski, Springer (2012), pag. (21), ISBN:978-94-007-2740-3

## 1.9 Citari aparute in reviste cotate Web of Science (Thomson Reuters) cu FI$\geq$ 0.3

*Incepem prin a consemna ca* **in perioada 2010-2012** *lucrarile elaborate de Dl* **Gheorghe Păun**, *fie singur fie in colaborare, au avut (conform analizei Thomson Reuters Web of Knowledge)* **547 de citari in reviste cotate ISI**. *(Nu putem da structura detaliata a acestor citari si anexam doar paginile ISI Web of Knowledge cu primele 22 de lucrari cele mai citate.)*

1. L. Polterovich, Quantum unsharpness and symplectic rigidity, **Letters in Mathematical Physics 102, Issue 3** (2012), 245-264; FI=1.819 *Citeaza*: Xiaonan Ma, George Marinescu: *Toeplitz operators on symplectic manifolds*, **J. Geom. Anal. 18, No. 2** (2008), pag. 565–611

2. C. Y. Hsiao, On the coefficients of the asymptotic expansion of the kernel of Berezin-Toeplitz quantization, **Annals of Global Analysis and Geometry Volume 42, Issue 2** (2012), 207–245; FI=0.714
*Citeaza*: Xiaonan Ma, George Marinescu: *Berezin-Toeplitz quantization on Kähler manifolds*, **J. Reine Angew. Math. 662** (2012), pag. 1–56

3. Hao Xu, An explicit formula for the Berezin star product, **Letters in Mathematical Physics 101** (2012), 239–264; FI=1.819
*Citeaza*: Xiaonan Ma, George Marinescu: *Toeplitz operators on symplectic manifolds*, **J. Geom. Anal. 18, No. 2** (2008), pag. 565–611

4. Hao Xu, A Closed Formula for the Asymptotic Expansion of the Bergman Kernel, **Communications in Mathematical Physics, Volume 314, Issue 3** (2012), 555-585; FI=1.941
*Citeaza*: Xiaonan Ma, George Marinescu: *Holomorphic Morse inequalities and Bergman kernels*, Progress in Mathematics 254, Birkhäuser (2007), pag. 422, ISBN: 978-3-7643-8096-0/hbk

5. Hao Xu, An explicit formula for the Berezin star product, **Letters in Mathematical Physics 101** (2012), 239–264; FI=1.819
*Citeaza*: Xiaonan Ma, George Marinescu: *Holomorphic Morse inequalities and Bergman kernels*, Progress in Mathematics 254, Birkhäuser (2007), pag. 422, ISBN: 978-3-7643-8096-0/hbk

6. Frank Ferrari, Semyon Klevtsov, and Steve Zelditch, Simple matrix models for random Bergman metrics , **Journal of Statistical Mechanics: Theory and Experiment, 2012** (2012), P04012; FI=1.727
*Citeaza*: Xiaonan Ma, George Marinescu: *Holomorphic Morse inequalities and Bergman kernels*, Progress in Mathematics 254, Birkhäuser (2007), pag. 422, ISBN: 978-3-7643-8096-0/hbk

7. Hiromichi Takagi and Francesco Zucconi: Scorza Quartics of Trigonal Spin Curves and Their Varieties of Power Sums, **Mathematische Annalen** (2012), 349 (3), 623–645
Citeaza: N. Manolache and F.-O. Schreyer, Moduli of (1, 7)-polarized abelian surfaces via syzygies, **Math. Nachr. 226** (2001), 177–203

8. Drnovsek, R., An infinite-dimensional generalization of Zenger's lemma, **Journal of Mathematical Analysis and Applications 388:2** (2012), pag. 1233-1238; FI=1.001
*Citeaza:* Ambrozie C., Muller V., Invariant subspaces for polynomially bounded operators, **Journal of Functional Analysis, 213:2** (2004), pag. 321-345.

9. McCullough, S., Sultanic, S., Agler-Commutant Lifting on an Annulus, **Integral Equations and Operator Theory 72:4** (2012), pag. 449-482; FI=0.626
*Citeaza:* Ambrozie C.-G., Englis M., Muller V., Operator tuples and analytic models over general domains in Cn, **Journal of Operator Theory, 47:2**, (2002), pag. 287-302.

10. Bhattacharyya, T., Abstract Characteristic Function, **Complex Analysis and Operator Theory, vol. 6** no. 1, (2012), pag. 91-103; FI=0.600
*Citeaza:* Ambrozie C.-G., Englis M., Muller V., Operator tuples and analytic models over general domains in Cn, **Journal of Operator Theory, 47:2** (2002), pag. 287-302.

11. Douglas, R.G., Misra, G., Sarkar, J., Contractive Hilbert modules and their dilations, **Israel Journal of Mathematics, 187:1** (2012), pag. 141-165; FI=0.745
*Citeaza:* Ambrozie C.-G., Englis M., Muller V., Operator tuples and analytic models over general domains in Cn, **Journal of Operator Theory, 47:2** (2002), pag. 287-302.

12. Drnovsek, Roman, An infinite-dimensional generalization of Zenger's lemma, **J. Math. Anal. Appl., Volume: 388** Issue: 2 (2012) pag. 1233-1238, DOI: 10.1016/j.jmaa.2011.11.018; FI=1.001
*Citeaza:* Ambrozie C.-G., Englis M., Muller V., Operator tuples and analytic models over general domains in Cn, **Journal of Operator Theory, 47**:2(2002), pag. 287-302.

13. McCullough, S., Sultanic, S., Agler-Commutant Lifting on an Annulus, **Integral Equations and Operator Theory 72:4** (2012), pag. 449-482; FI=0.626
*Citeaza:* Ambrozie C.-G., Remarks on the operator-valued interpolation for multivariable bounded analytic functions, **Indiana University Mathematics Journal, 53:6** (2004) , pag. 1551-1576.

14. Kim, J., On invariant subspaces of operators in the class $\theta$, Journal of Mathematical Analysis and Applications 396:2 (2012) , pag. 562-568; FI=1.001
*Citeaza:* Ambrozie C., Muller V., Invariant subspaces for polynomially bounded operators, Journal of Functional Analysis, 213:2 (2004), pag. 321-345.

15. Guo, Bao-Zhu; Yang, Dong-Hui Some compact classes of open sets under Hausdorff distance and application to shape optimization. **SIAM J. Control Optim. 50** (2012), no. 1, 222-242. FI 1,518
*Citeaza*: Tiba, Dan(R-AOS) A property of Sobolev spaces and existence in optimal design. (English summary) **Appl. Math. Optim. 47** (2003), no. 1, 45-58.

16. Hintermoller, M.; Wegner, D. Distributed optimal control of the Cahn-Hilliard system including the case of a double-obstacle homogeneous free energy density. **SIAM J. Control Optim. 50** (2012), no. 1, 388-418. Publication Year 2012 FI 1,517
*Citeaza*: Neittaanmaki, Pekka; Sprekels, Jurgen; Tiba, Dan *Optimization of elliptic systems. Theory and applications.* **Springer Monographs in Mathematics**. Springer, New York, 2006. xvi+507 pp. ISBN: 978-0387-27235-1; 0-387-27235-6

17. Guo, Bao-Zhu; Yang, Dong-Hui Some compact classes of open sets under Hausdorff distance and application to shape optimization. **SIAM J. Control Optim. 50** (2012), no. 1, 222-242. Publication Year 2012 FI 1,517
*Citeaza*: Birsan, T.(R-TUGA); Tiba, D.(R-AOS) One hundred years since the introduction of the set distance by Dimitrie Pompeiu. (English summary) System modeling and optimization, 35-39,

18. Guo, Bao-Zhu(PRC-SNX-SM); Yang, Dong-Hui(PRC-CCN-SMS) Some compact classes of open sets under Hausdorff distance and application to shape optimization. **SIAM J. Control Optim. 50** (2012), no. 1, 222-242 FI 1,517
*Citeaza*: Neittaanmaki, P.; Pennanen, A.; Tiba, D. Fixed domain approaches in shape optimization problems with Dirichlet boundary conditions. (English summary) **Inverse Problems 25** (2009), no. 5, 055003, 18 pp

19. Guo, Bao-Zhu(PRC-SNX-SM); Yang, Dong-Hui(PRC-CCN-SMS) Some compact classes of open sets under Hausdorff distance and application to shape optimization. (English summary) SIAM J. Control Optim. 50 (2012), no. 1, 222-242. FI 1,517
*Citeaza*: Halanay, Andrei; Tiba, Dan *Shape optimization for stationary Navier-Stokes equations.* **Control Cybernet. 38** (2009), no. 4B, 1359-1374.

20. Chrysafinos, Konstantinos; Karatzas, Efthimios N. Symmetric error estimates for discontinuous Galerkin approximations for an optimal control problem associated to semilinear parabolic PDE's. **Discrete Contin. Dyn. Syst. Ser. B 17** (2012), no. 5, 1473-1506. FI 0,921
Publication Year 2012
*Citeaza* Neittaanmaki, P.(SF-JVSK); Tiba, D.(R-AOS) Optimal control of nonlinear parabolic systems. (English summary) **Theory, algorithms, and applications**. Monographs and Textbooks in Pure and Applied Mathematics, 179. Marcel Dekker, Inc., New York, 1994. xvi+399 pp. ISBN: 0-8247-9081-2

21. Hintermuller, M.; Wegner, D. Distributed optimal control of the Cahn-Hilliard system including the case of a double-obstacle homogeneous free energy density. **SIAM J. Control Optim. 50** (2012), no. 1, Publication Year 2012 FI 1,518
*Citeaza* Neittaanmaki, P.(SF-JVSK); Tiba, D.(R-AOS) **Optimal control of nonlinear**

**parabolic systems**. (English summary) Theory, algorithms, and applications. Monographs and Textbooks in Pure and Applied Mathematics, 179. Marcel Dekker, Inc., New York, 1994. xvi+399 pp. ISBN: 0-8247-9081-2

22. Hiroyuki Minamoto, *Ampleness of two-sided tilting complexes*, **INT MATH RES NO-TICES, 1** (2012, pag.67-101. ; FI=1.014
*Citeaza*: N. Popescu, *Abelian Categories with Applications to Rings and Modules*, **London Math. Soc. Monogr. Ser., vol. 3, Academic Press, London/New York** (1973).

23. Toshiyuki Tanisaki, *Differential operators on quantized flag manifolds at roots of unity*, **Advances in Mathematics, 230** (2012), pag. 22352294; FI=1.177
*Citeaza*: N. Popescu, *Abelian Categories with Applications to Rings and Modules*, **London Math. Soc. Monogr. Ser., vol. 3, Academic Press, London/New York** (1973).

24. Alessandro Ardizzoni, Claudia Menini, *Associated Graded Algebras and Coalgebras*, **Communications in Algebra, 40** (2012), pag. 862-896; FI=0.347
*Citeaza*: N. Popescu, *Abelian Categories with Applications to Rings and Modules*, **London Math. Soc. Monogr. Ser., vol. 3, Academic Press, London/New York** (1973).

25. Dariush Kiani, Sara Saeedi, Binomial Edge Ideals of Graphs, **Electron J Comb 19(2)** (2012), P # 44 1–6; FI=0.852
*Citeaza*: V. Ene, J. Herzog, T. Hibi, *Cohen-Macaulay binomial edge ideals*, **Nagoya Math. J. 204** (2011), pag. 57–68.

26. A.N. Vargas, W. Furloni, J.B.R. do Val, Second moment constraints and the control problem of Markov jump linear systems, **Numerical Linear Algebra with Applications,** (2012), DOI: 10.1002/nla.1849 ; FI = 1,168
*Citeaza*: V. Dragan, T. Morozan, *Exponential stability in mean square for a general class of discrete-time linear stochastic systems*, **Stochastic Analysis and Applications,26,3,** (2008), pag. 495-525.

27. A.N. Vargas, E.F. Costa, J.B.R. do Val, On the control of Markov jump linear systems with no mode observation: application to a DC Motor device, **International Journal of Robust and Nonlinear Control,** (2012), DOI: 10.1002/rnc.2911; FI = 1,554
*Citeaza*: V. Dragan, T. Morozan, *Exponential stability in mean square for a general class of discrete-time linear stochastic systems*, **Stochastic Analysis and Applications,26,3,** (2008), pag. 495-525.

28. H. Ma, W. Zhang, T. Hou, Infinite horizon H2/H? control for discrete-time time-varying Markov jump systems with multiplicative noise **Automatica, 48, 7,** (2012), 1447– 1454; FI = 2,829
*Citeaza*: V. Dragan, T. Morozan, P. Shi, *Asymptotic properties of input-output operators norm associated with singularly perturbed systems with multiplicative white noise* **SIAM J.Control Optim., 41, 1**, (2002), pag. 141-163.

29. T. Hou, W. Zhang, H. Ma, Some properties of exact observability of linear stochastic systems and their applications, **Asian Journal of Control, 14, 3**, (2012), 868–873; FI = 1,034

*Citeaza*: V. Dragan, T. Morozan , *Stochastic observability and applications,* **IMA Journal of Mathematical Control and Information, 21,** (2004), pag. 323-344.

30. B Chen, W Zhang, *calH*-Representation and Applications to Generalized Lyapunov Equations and Linear Stochastic Systems, **IEEE Trans. on Autom. Control, vol.PP, 99,** (2012), 10.1109/TAC.2012.2197074. FI = 2,11
    *Citeaza*: V. Dragan, T. Morozan , *Stochastic observability and applications,* **IMA Journal of Mathematical Control and Information, 21,** (2004), pag. 323-344.

31. O.L.V. Costa, A. Oliveira, Optimal meanvariance control for discrete-time linear systems with Markovian jumps and multiplicative noises, **Automatica, 48, 2**, (2012), 304–315; FI = 2,829
    *Citeaza*: Dragan Vasile ; Morozan Toader, *Observability and detectability of a class of discrete-time stochastic linear systems*, **IMA JOURNAL OF MATHEMATICAL CONTROL AND INFORMATION, 23, 3** (2006), pag. 371–394.

32. H. Ma, Y. Jia, Input-output finite-time mean square stabilisation of stochastic systems with Markovian jump, **International Journal of Systems Science,** DOI: 10.1080/00207721.2012.720299, (2012); FI =0,991
    *Citeaza*: Dragan Vasile ; Morozan Toader, *Observability and detectability of a class of discrete-time stochastic linear systems*, **IMA JOURNAL OF MATHEMATICAL CONTROL AND INFORMATION, 23, 3** (2006), pag. 371–394.

33. H. Zhang, G. Feng, C. Dang, An Approach to H? Control of a Class of Nonlinear Stochastic Systems, **Circuits, Systems, and Signal Processing, 31, 1**, (2012), 127–141; FI =0,817
    *Citeaza*: Dragan V ; Halanay A ; Stoica A, *The gamma-attenuation problem for systems with state dependent noise*, **STOCHASTIC ANALYSIS AND APPLICATIONS, 17, 3** (1998), pag. 395 –404.

34. S. Sathananthan, M.J. Knap, A. Strong, L.H. Keel, Robust stability and stabilization of a class of nonlinear discrete time stochastic systems: An LMI approach, **Applied Mathematics and Computation, 219, 4**, (2012), 1988– 1997; FI = 1,317
    *Citeaza*: V. Dragan, T. Morozan, A.M. Stoica, *MATHEMATICAL METHODS IN ROBUST CONTROL OF DISCRETE-TIME LINEAR STOCHASTIC SYSTEMS,*, **Springer, New York,** (2010), 346 pagini.

35. M. Sun, J. Lam, S. Xu, Z. Shu, Optimal time-weighted H 2 model reduction for Markovian jump systems, **International Journal of Control, 85, 6**, (2012), 613–628; FI = 0,977
    *Citeaza*: V. Dragan, T. Morozan, A.M. Stoica, *MATHEMATICAL METHODS IN ROBUST CONTROL OF DISCRETE-TIME LINEAR STOCHASTIC SYSTEMS,*, **Springer, New York,** (2010), 346 pagini.

36. H. Ma, W. Zhang, T. Hou, Infinite horizon $H_2/H_\infty$ control for discrete-time time-varying Markov jump systems with multiplicative noise, **Automatica, 48,7,** (2012), 1447–1454; IF = 2.829
    *Citeaza*: V. Dragan, T. Morozan, A.M. Stoica, *MATHEMATICAL METHODS IN ROBUST CONTROL OF DISCRETE-TIME LINEAR STOCHASTIC SYSTEMS,*, **Springer, New York,** (2010), 346 pagini.

37. J. Zhang, J. Liu, New matrix bounds, an existence uniqueness and a fixed-point iterative algorithm for the solution of the unified coupled algebraic Riccati equation, **International Journal of Computer Mathematics, 89, 4**, (2012), 527–542; FI =0,4999
*Citeaza*: V. Dragan, T. Morozan, A.M. Stoica, *MATHEMATICAL METHODS IN RO-BUST CONTROL OF DISCRETE-TIME LINEAR STOCHASTIC SYSTEMS,*, **Springer, New York,** (2010), 346 pagini.

38. A. M. Stoica, Mixed $H_2/H_\infty$ Performance Analysis and State-Feedback Control Design for Networked Systems with Fading Communication Channels, **Mathematical Problems in Engineering,** Volume 2012, Article ID 291714, 16 pages, doi:10.1155/2012/291714, (2012), FI =0,777
*Citeaza*: V. Dragan, T. Morozan, A.M. Stoica, MATHEMATICAL METHODS IN RO-BUST CONTROL OF LINEAR STOCHASTIC SYSTEMS, **Mathematical Concepts and Methods in Science and Engineering, Series Editor: Angelo Miele, Volume 50, Springer Science+Business Media LLC,** (2006), carte.

39. Hongji Maabc, Yingmin Jiaab, Inputoutput finite-time mean square stabilisation of stochastic systems with Markovian jump, **International Journal of Systems Science, DOI: 10.1080/00207721.2012.720299**, (2012), FI =0,991
*Citeaza*: V. Dragan, T. Morozan, A.M. Stoica, MATHEMATICAL METHODS IN RO-BUST CONTROL OF LINEAR STOCHASTIC SYSTEMS, **Mathematical Concepts and Methods in Science and Engineering, Series Editor: Angelo Miele, Volume 50, Springer Science+Business Media LLC,** (2006), carte.

40. K.J. Lin, Stabilisation of singularly perturbed nonlinear systems via neural network-based control and observer design, **International Journal of System Science**, DOI: 10.1080/00207721.2012.670304, FI = 0,991 *Citeaza* Peng Shi; Dragan, V., *Asymptotic $H_\infty$ control of singularly perturbed systems with parametric uncertainties*, **IEEE Trans. on Automatic Control, 44, 9** (1999), pag. 1738–1742.

41. R. Huang, Y. Lin, Z. Lin, Robust $H_2$ fuzzy observer-based tracking control design for a class of nonlinear stochastic Markovian jump systems, **Asian Journal of Control (AJC), 14, 2**, (2012), 512– 526; FI = 1,034
*Citeaza*: V.Dragan, T. Morozan, *Stability and robust stabilization to linear stochastic systems described by differential equations with Markovian jumping and multiplicative white noise*, **Stochastic Analysis and Applications, 20, (1)**, (2002), pag. 33-92.

42. M. Sun, J. Lam, S. Xu, Z. Shu, Optimal time-weighted H 2 model reduction for Markovian jump systems, **International Journal of Control, 85, 6**, (2012), 613–628, IF = 0,977
*Citeaza*: V.Dragan, T. Morozan, *Stability and robust stabilization to linear stochastic systems described by differential equations with Markovian jumping and multiplicative white noise*, **Stochastic Analysis and Applications, 20, (1)**, (2002), pag. 33-92.

43. R. Huang, Y. Lin, S.S. Ge, Z. Lin, $H_\infty$ stabilisation of switched linear stochastic systems under dwell time constraints, **International Journal of Control,85, 9**, (2012), 1209–1217; IF = 0,977
*Citeaza*: V.Dragan, T. Morozan, *Stability and robust stabilization to linear stochastic systems described by differential equations with Markovian jumping and multiplicative white noise*, **Stochastic Analysis and Applications, 20, (1)**, (2002), pag. 33-92.

44. Y. Chen, W.X. Zheng, Exponential $H_\infty$ filtering for stochastic Markovian jump systems with time delays, **Journal of Robust and Nonlinear Control,**, (2012), Article first published online: 20 SEP 2012 DOI: 10.1002/rnc.2909, IF = 1,554
   *Citeaza*: V.Dragan, T. Morozan, *Stability and robust stabilization to linear stochastic systems described by differential equations with Markovian jumping and multiplicative white noise*, **Stochastic Analysis and Applications, 20, (1)**, (2002), pag. 33-92.

45. H. Ma, W. Zhang, T. Hou, Infinite horizon $H_2/H_\infty$ control for discrete-time time-varying Markov jump systems with multiplicative noise, **Automatica, 48,7**, (2012), 1447–1454; IF = 2.829
   *Citeaza*: V.Dragan, T. Morozan, *Stability and robust stabilization to linear stochastic systems described by differential equations with Markovian jumping and multiplicative white noise*, **Stochastic Analysis and Applications, 20, (1)**, (2002), pag. 33-92.

46. Huiying Sun, Liuyang Jiang and Weihai Zhang, Feedback control on Nash equilibrium for discrete-time stochastic systems with Markovian jumps: Finite-horizon case, **International Journal of Control, Automation and Systems, 10, 5**, (2012), 940–946; FI =0,749
   *Citeaza*: V. Dragan, T. Morozan, *The linear quadratic optimization problems for a class of linear stochastic systems with multiplicative white noise and Markovian jumping*, **IEEE TRANSACTIONS ON AUTOMATIC CONTROL, 49, 5** (2004), pag. 665–675.

47. H. Ma, W. Zhang, T. Hou, Infinite horizon $H_2/H_\infty$ control for discrete-time time-varying Markov jump systems with multiplicative noise, **Automatica, 48,7**, (2012), 1447–1454; IF = 2.829
   *Citeaza*: V. Dragan, T. Morozan, *The linear quadratic optimization problems for a class of linear stochastic systems with multiplicative white noise and Markovian jumping*, **IEEE TRANSACTIONS ON AUTOMATIC CONTROL, 49, 5** (2004), pag. 665–675.

48. Jun Huanga, Peng Wang, Zhengzhi Han, Xiushan Caid, Observer design for the Lur'e differential inclusion system with Markovian jumping parameters, **International Journal of Systems Science, DOI: 10.1080/00207721.2012.702243**, (2012), FI = 0,991
   *Citeaza*: V. Dragan, T. Morozan, *The linear quadratic optimization problems for a class of linear stochastic systems with multiplicative white noise and Markovian jumping*, **IEEE TRANSACTIONS ON AUTOMATIC CONTROL, 49, 5** (2004), pag. 665–675.

49. J. Feng, P. Cui, Z. Hou, Singular linear quadratic optimal control for singular stochastic discrete-time systems, **Optimal Control Applications and Methods**, (2012), DOI: 10.1002/oca.2033, FI = 0,648
   *Citeaza*: Dragan Vasile; Morozan Toader; Stoica Adrian, *$H^2$ optimal control for linear stochastic systems*, **Automatica J. IFAC, 40** (2004), pag. 1103–1113.

50. V.Y. Glizer, Stochastic Singular Optimal Control Problem with State Delays: Regularization, Singular Perturbation, and Minimizing Sequence, **SIAM Journal on Control and Optimization, 50,5**, (2012), 2862–2888, FI = 1,518
   *Citeaza*: Dragan Vasile, *The linear quadratic optimization problem for a class of singularly perturbed stochastic systems*, **INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL, 1, 1** (2005), pag. 53 –63.

51. O.L.V. Costa, A. Oliveira, Optimal meanvariance control for discrete-time linear systems with Markovian jumps and multiplicative noises, **Automatica, 48, 2**, (2012), 304–315; FI = 2,829
   *Citeaza*: V.Dragan, T. Morozan, *Mean Square Exponential Stability for some Stochastic Linear Discrete Time Systems*, **European Journal of Control, 12, 4,** (2006), pag. 373 – 396.

52. Gilles Pisier **Grothendiecks Theorem, past and present, Bull AMS 49, 237-323(2012)**
   *Citeaza* Florin Radulescu *A comparison between the max and min norms on $C * (Fn) \otimes C * (Fn)$*, **J. Operator Th. 51** (2004), pag. 245-253

53. G. Pisier **Grothendiecks Theorem, past and present, Bull AMS 49, 237-323(2012)**
   *Citeaza* Florin Radulescu *Combinatorial aspects of Connes's embedding conjecture and asymptotic distribution of traces of products of unitaries.*, **Operator Th. 20, 197 205, Theta Series Adv. Math.Theta, Bucharest, 2006**

54. A. Thom, *About the metric approximation of Higman's group*, J Group Th., 15(2012)301-310
   *Citeaza* Florin Radulescu *The von Neumann algebra of the nonresidually finite Baumslag group $?a, b|ab^3a^{-1} = b^2?$ embeds into $R^\omega$*, **Theta Ser. Adv. Math. 9** (2008), pag. 173-185

55. Popa, Sorin **On the classification of inductive limits of II1 factors with spectral gap.** Trans. Amer. Math. Soc. 364 (2012), no. 6, 29873000
   *Citeaza* Florin Radulescu *Random matrices, amalgamated free products and subfactors of the von Neumann algebra of a free group, of noninteger index, ,* **Invent. Math. 115 (1994)** 347389

56. Ş. T. Belinschi, M. Popa, V. Vinnikov, Infinite divisibility and a non-commutative Boolean-to-free Bercovici-Pata bijection, **Journal of Functional Analysis 262** (2012), 94–123; FI=1.082
   *Citeaza*: F. Boca, *Free products of completely positive maps and spectral sets*, **Journal of Functional Analysis 97** (1991), pag. 251–263.

57. T. Fritz, Tsirelson's problem and Kirchberg's conjecture, **Reviews in Mathematical Physics 24** (2012), Issue 5, Art. 1250012; FI=0.643
   *Citeaza*: F. Boca, *Free products of completely positive maps and spectral sets*, **Journal of Functional Analysis 97** (1991), pag. 251–263.

58. M. Popa, Realization of conditionally monotone independence and monotone products of completely positive maps, **Journal of Operator Theory 68** (2012), 257–274; FI=0.681
   *Citeaza*: F. Boca, *Free products of completely positive maps and spectral sets*, **Journal of Functional Analysis 97** (1991), pag. 251–263.

59. M. Popa, Realization of conditionally monotone independence and monotone products of completely positive maps, **Journal of Operator Theory 68** (2012), 257–274; FI=0.681
   *Citeaza*: F. Boca, *Completely positive maps on amalgamated product $C^*$-algebras*, **Mathematica Scandinavica 72** (1993), pag. 212–222.

60. B. Das, D. Goswani, Quantum brownian motion on non-commutative manifolds: construction, deformation and exit times, **Communications in Mathematical Physics 309** (2012), 193–228; FI=1.941
*Citeaza*: F. P. Boca, *Ergodic actions of compact matrix pseudogroups on $C^*$-algebras*, **Astérisque, Vol. 232** (1995), pag. 93–109.

61. R. Dumitru, C. Peligrad, Spectra for compact quantum group coactions and crossed products, **Transactions of the American Mathematical Society 364** (2012), 3699–3713; FI=1.093
*Citeaza*: F. P. Boca, *Ergodic actions of compact matrix pseudogroups on $C^*$-algebras*, **Astérisque, Vol. 232** (1995), pag. 93–109.

62. T. Bănică, A. Skalski, P. Soltan, Noncommutative homogeneous spaces: The matrix case, **Journal of Geometry and Physics 62** (2012), 1451–1466; FI=0.818
*Citeaza*: F. P. Boca, *Ergodic actions of compact matrix pseudogroups on $C^*$-algebras*, **Astérisque, Vol. 232** (1995), pag. 93–109.

63. P. Kasprzak, On a certain approach to quantum homogeneous spaces, **Communications in Mathematical Physics 313** (2012), 237–255; FI=1.941
*Citeaza*: F. P. Boca, *Ergodic actions of compact matrix pseudogroups on $C^*$-algebras*, **Astérisque, Vol. 232** (1995), pag. 93–109.

64. C. Pinzari, J. E. Roberts, A theory of induction and classification of tensor $C^*$-categories, **Journal of Noncommutative Geometry 6** (2012), 665–719; FI=0.789
*Citeaza*: F. P. Boca, *Ergodic actions of compact matrix pseudogroups on $C^*$-algebras*, **Astérisque, Vol. 232** (1995), pag. 93–109.

65. G. A. Elliott, Z. Niu, Extended rotation algebras: Adjoining spectral projections to rotation algebras, **Journal für die Reine und Angewandte Mathematik 665** (2012), 1–71; FI=1.042
*Citeaza*: F. P. Boca, *Rotation $C^*$-Algebras and Almost Mathieu Operators*, **The Theta Foundation** (2001), Bucharest.

66. M. Busaniche, L. Cabrer, D. Mundici, Confluence and combinatorics in finitely generated unital lattice-ordered abelian groups, **Forum Mathematicum 24** (2012), 253–271; FI=0.607
*Citeaza*: F. P. Boca, *An AF algebra associated with the Farey tessellation*, **Canadian Journal of Mathematics 60** (2008), pag. 975-1000.

67. A. Gorodnik, A. Nevo, Counting lattice points, **Journal für die Reine und Angewandte Mathematik 663** (2012), 127–176; FI=1.042
*Citeaza*: F. P. Boca, *Distribution of angles between geodesic rays associated with hyperbolic lattice points*, **Quarterly Journal of Mathematics 58** (2007), pag. 281–295.

68. Argerami, Martn; Farenick, Douglas; Massey, Pedro, Injective envelopes and local multiplier algebras of some spatial continuous trace , **Quart. J. Math. Oxford Ser. 63** (2012), 1 – 20; FI=0.617
*Citeaza*: R. Dumitru, C. Peligrad, B. Visinescu *Automorphisms inner in the local multiplier algebra and Connes spectrum*, **Operator Theory 20** (2006), pag. 75 – 80

69. Monthubert, Bertrand; Nistor, Victor, A topological index theorem for manifolds with corners., **Compos. Math. 148** (2012), 640 – 668; FI=1.18
*Citeaza*: Ramazan, Birant, *Limite classique de C?-algebres de groupoides de Lie.* , **C. R. Acad. Sci. Paris Ser. I Math. 329** (1999), pag. 603 – 606

70. Buss, Alcides; Exel, Ruy, Fell bundles over inverse semigroups and twisted tale groupoids., **J. Operator Theory 67** (2012), 153 – 205; FI=.6
*Citeaza*: Deaconu, Valentin; Kumjian, Alex; Ramazan, Birant, *Fell bundles associated to groupoid morphisms.*, **Math. Scand. 102** (2008), pag. 305 – 319

71. Eric Clark and Richard Ehrenborg , The Frobenius complex, **Annals of Combinatorics 16 (2)** (2012), pag. 215 – 232; FI=0.324
*Citeaza*: Dumitru Stamate, *Computational algebra and combinatorics in commutative algebra*, **University of Bucharest, PhD thesis** (2009).

72. Andrew Conner, Brad Shelton, $\mathcal{K}_2$ factors of Koszul algebras and applications to face rings, **Journal of Algebra, 368** (2012), pag. 251-270 ; FI= 0.613
*Citeaza*:Victor Reiner, Dumitru Ioan Stamate, *Koszul incidence algebras, affine semigroups, and Stanley-Reisner ideals*, **Advances in Mathematics 224** (2010), pag. 2312 – 2345

73. Hongjun Zhou and Bin Zhao, Generalized Bosbach and Riecan states based on relative negations in residuated lattices, **Fuzzy Sets and Systems 187** (2012), pag. 33 – 57; FI = 1.988
*Citeaza*: George Georgescu and Andrei Popescu, *Similarity Convergence in Residuated Structures*, **Logic Journal of the IGPL 13** (2005), pag. 389 – 413

74. Hasebe, Takahiro, Analytic Continuations of Fourier and Stieltjes Transforms and Generalized Moments of Probability Measures, **JOURNAL OF THEORETICAL PROBABILITY, 25** (2012), 756–770; FI=0.681 (5-year:0.625)
*Citeaza*: Belinschi, Serban T.; Boejko, Marek; Lehner, Franz; Speicher, Roland, *The normal distribution is ⊞-infinitely divisible*, **Advances in Mathematics 226** (2011), pag. 3677–3698

75. Allez, Romain; Bouchaud, Jean-Philippe; Guionnet, Alice, Invariant Beta Ensembles and the Gauss-Wigner Crossover, **PHYSICAL REVIEW LETTERS, 109** (2012), FI=7.370 (5-year:7.013)
*Citeaza*: Belinschi, Serban T.; Boejko, Marek; Lehner, Franz; Speicher, Roland, *The normal distribution is ⊞-infinitely divisible*, **Advances in Mathematics 226** (2011), pag. 3677–3698

76. Bozejko, Marek; Lytvynov, Eugene; Wysoczanski, Janusz, Noncommutative Levy Processes for Generalized (Particularly Anyon) Statistics, **COMMUNICATIONS IN MATHEMATICAL PHYSICS, 313** (2012), 535–569; FI = 1.941 (5-year:1.998)
*Citeaza*: Anshelevich, M.; Belinschi, S. T.; Boejko, M.; Lehner, F, *Free infinite divisibility for q-Gaussians,* **Mathematical Research Letters 17** (2010), pag. 905–916

77. Arizmendi, Octavio, Statistics of blocks in $k$-divisible non-crossing partitions, **ELECTRONIC JOURNAL OF COMBINATORICS, 19** (2012); FI=0.638 (5-year:0.690)

*Citeaza*: Belinschi, S. T.; Shlyakhtenko, D.: *Free probability of type B: analytic interpretation and applications*, **American Journal of Mathematics 134** (2012), pag. 193–234.

78. Ortmann, Janosch, Large deviations for non-crossing partitions, **ELECTRONIC JOURNAL OF PROBABILITY, 17** (2012), 1–25; FI=0.713 (5-year:0.943)
*Citeaza*: Banica, T.; Belinschi, S. T.; Capitaine, M.; Collins, B.: *Free Bessel laws,* **Canadian Journal of Mathematics 63** (2011), pag. 3–37.

79. Collins, Benoît; Fukuda, Motohisa; Nechita, Ion, Towards a state minimizing the output entropy of a tensor product of random quantum channels, **JOURNAL OF MATHEMATICAL PHYSICS, 53** (2012), 032203-1–032203-20; FI=1.291 (5-year:1.181)
*Citeaza*: Belinschi, Serban T.; Collins, Benoît; Nechita, Ion: *Eigenvectors and eigenvalues in a random subspace of a tensor product*, **Inventiones Mathematicae** Online First™, 21 February 2012 (2012), pag. 51.

80. Brouder, Christian; Patras, Frederic, Nonlocal, noncommutative diagrammatics and the linked cluster theorems, **JOURNAL OF MATHEMATICAL CHEMISTRY, 50** (2012), 552–576; FI=1.303 (5-year:1.188)
*Citeaza*: Belinschi, Serban T.; Boejko, Marek; Lehner, Franz; Speicher, Roland: *The normal distribution is ⊞-infinitely divisible,* **Advances in Mathematics 226** (2011), pag. 3677–3698.

81. Perez-Abreu, Victor; Sakuma, Noriyoshi, Free Infinite Divisibility of Free Multiplicative Mixtures of the Wigner Distribution, **JOURNAL OF THEORETICAL PROBABILITY, 25** (2012), 100–121; FI=0.681 (5-year:0.625)
*Citeaza*: Banica, T.; Belinschi, S. T.; Capitaine, M.; Collins, B.: *Free Bessel laws,* **Canadian Journal of Mathematics 63** (2011), pag. 3–37.

82. Perez-Abreu, Victor; Sakuma, Noriyoshi, Free Infinite Divisibility of Free Multiplicative Mixtures of the Wigner Distribution, **JOURNAL OF THEORETICAL PROBABILITY, 25** (2012), 100–121; FI=0.681 (5-year:0.625)
*Citeaza*: Belinschi, Serban T.; Nica, Alexandru: *On a remarkable semigroup of homomorphisms with respect to free multiplicative convolution,* **Indiana University Mathematics Journal 57** (2008), pag. 1679–1713.

83. Arizmendi, Octavio; Vargas, Carlos, Products of free random variables and k-divisible non-crossing partitions, **ELECTRONIC COMMUNICATIONS IN PROBABILITY, 17** (2012), 1–13; FI=0.572 (5-year:0.644)
*Citeaza*: Belinschi, Serban T.; Nica, Alexandru: *η-series and a Boolean Bercovici-Pata bijection for bounded k-tuples,* **Advances in Mathematics 217** (2008), pag. 1–41.

84. Banica, Teodor; Skalski, Adam, Quantum Isometry Groups of Duals of Free Powers of Cyclic Groups, **INTERNATIONAL MATHEMATICS RESEARCH NOTICES, 9** (2012), 2094–2122; FI=1.014 (5-year:1.087)
*Citeaza*: Banica, T.; Belinschi, S. T.; Capitaine, M.; Collins, B.: *Free Bessel laws,* **Canadian Journal of Mathematics 63** (2011), pag. 3–37.

85. Gregoratti, David; Hachem, Walid; Mestre, Xavier, Randomized Isometric Linear-Dispersion Space-Time Block Coding for the DF Relay Channel, **IEEE TRANSACTIONS ON SIGNAL PROCESSING, 60** (2012), 426–442; FI=2.628 (5-year:2.829)

*Citeaza*: Belinschi, Serban T.; Benaych-Georges, Florent; Guionnet, Alice: *Regularization by free additive convolution, square and rectangular cases,* **Complex Analysis and Operator Theory 3** (2009), pag. 611–660.

86. Wang, Jiun-Chau, Strict limit types for monotone convolution, **JOURNAL OF FUNCTIONAL ANALYSIS, 262** (2012), 35–58; FI = 1.082 (5-year:1.208)
*Citeaza*: Belinschi, Serban Teodor: *Comples analysis methods in noncommutative probability,* **PhD thesis, Indiana University** (2005).

87. Belinschi, S. T.; Shlyakhtenko, D. Free probability of type B: analytic interpretation and applications. Amer. J. Math. 134 (2012), no. 1, 193–234, FI 1.3
*Citeaza*:Popa, Mihai Freeness with amalgamation, limit theorems and S-transform in non-commutative probability spaces of type B. Colloq. Math. 120 (2010), no. 2, 319–329

88. Boureanu, Maria-Magdalena ; Preda, Felician Infinitely many solutions for elliptic problems with variable exponent and nonlinear boundary conditions. **NoDEA Nonlinear Differential Equations Appl.** 19 (2012), no. 2, 235-251
*Citeaza*: M. Mihailescu, V. Radulescu, *A multiplicity result for a nonlinear degenerate problem arising in the theory of electrorheological fluids,* **Proc. R. Soc. Lond. Ser. A Math. Phys. Eng. Sci.** 462 (2006), no. 2073, 2625-2641.

89. Le, Vy Khoi On variational inequalities with maximal monotone operators and multivalued perturbing terms in Sobolev spaces with variable exponents. **J. Math. Anal. Appl.** 388 (2012), no. 2, 695-715. (Reviewer: Claudia M. Gariboldi)
*Citeaza*: M. Mihailescu, V. Radulescu, *A multiplicity result for a nonlinear degenerate problem arising in the theory of electrorheological fluids,* **Proc. R. Soc. Lond. Ser. A Math. Phys. Eng. Sci.** 462 (2006), no. 2073, 2625-2641.

90. Qian, Chenyin; Shen, Zifei; Zhu, Junqiao Multiplicity results for a differential inclusion problem with non-standard growth. **J. Math. Anal. Appl.** 386 (2012), no. 1, 364-377. (Reviewer: Dimitrios A. Kandilakis)
*Citeaza*: M. Mihailescu, V. Radulescu, *A multiplicity result for a nonlinear degenerate problem arising in the theory of electrorheological fluids,* **Proc. R. Soc. Lond. Ser. A Math. Phys. Eng. Sci.** 462 (2006), no. 2073, 2625-2641.

91. Mi, Ling; Liu, Bin Second order expansion for blowup solutions of semilinear elliptic problems. **Nonlinear Anal.** 75 (2012), no. 4, 2591-2613.
*Citeaza*: F.C. Cirstea, V. Radulescu, *Uniqueness of the blow-up boundary solution of logistic equations with absorbtion,* **C. R. Math. Acad. Sci. Paris** 335 (2002), no. 5, 447-452.

92. Alarcon, Salomon; Garcia-Melian, Jorge; Quaas, Alexander Keller-Osserman type conditions for some elliptic problems with gradient terms. **J. Differential Equations** 252 (2012), no. 2, 886-914
*Citeaza*: F.C. Cirstea, V. Radulescu, *Uniqueness of the blow-up boundary solution of logistic equations with absorbtion,* **C. R. Math. Acad. Sci. Paris** 335 (2002), no. 5, 447-452.

93. Gao, Wenjie; Guo, Bin Existence and asymptotic behaviour of solutions for a viscous $p(x)$-Laplacian equation. **Appl. Anal.** 91 (2012), no. 5, 879-894.

*Citeaza*: M. Mihailescu, V. Radulescu, *On a nonhomogeneous quasilinear eigenvalue problem in Sobolev spaces with variable exponent*, **Proc. Amer. Math. Soc.** 135 (2007), no. 9, 2929-2937.

94. Mashiyev, R. A.; Cekic, B.; Avci, M.; Yucedag, Z. Existence and multiplicity of weak solutions for nonuniformly elliptic equations with nonstandard growth condition. **Complex Var. Elliptic Equ.** 57 (2012), no. 5, 579-595
*Citeaza*: M. Mihailescu, V. Radulescu, *On a nonhomogeneous quasilinear eigenvalue problem in Sobolev spaces with variable exponent*, **Proc. Amer. Math. Soc.** 135 (2007), no. 9, 2929-2937.

95. Aouaoui, Sami On some degenerate quasilinear equations involving variable exponents. **Nonlinear Anal.** 75 (2012),no. 4, 1843-1858.
*Citeaza*: M. Mihailescu, V. Radulescu, *On a nonhomogeneous quasilinear eigenvalue problem in Sobolev spaces with variable exponent*, **Proc. Amer. Math. Soc.** 135 (2007), no. 9, 2929-2937.

96. Fan, Xianling Differential equations of divergence form in Musielak-Sobolev spaces and a sub-supersolution method. **J. Math. Anal. Appl.** 386 (2012), no. 2, 593-604. (Reviewer: Luigi Greco)
*Citeaza*: M. Mihailescu, V. Radulescu, *On a nonhomogeneous quasilinear eigenvalue problem in Sobolev spaces with variable exponent*, **Proc. Amer. Math. Soc.** 135 (2007), no. 9, 2929-2937.

97. Mohammed, Ahmed; Mohammed, Seid Boundary blow-up solutions to degenerate elliptic equations with non-monotone inhomogeneous terms. **Nonlinear Anal.** 75 (2012), no. 6, 3249-3261.
*Citeaza*: M. Ghergu, V.Rdulescu, *Singular elliptic problems: bifurcation and asymptotic analysis*, **Oxford Lecture Series in Mathematics and its Applications**, 37. The Clarendon Press, Oxford University Press, Oxford, 2008.

98. Ghergu, Marius A biharmonic equation with singular nonlinearity. **Proc. Edinb. Math. Soc. (2)** 55 (2012), no. 1, 155-166.(Reviewer: Guido Sweers)
*Citeaza*: M. Ghergu, V.Radulescu, *Singular elliptic problems: bifurcation and asymptotic analysis*, **Oxford Lecture Series in Mathematics and its Applications**, 37. The Clarendon Press, Oxford University Press, Oxford, 2008.

99. Dhanya, R.; Giacomoni, J.; Prashanth, S.; Saoudi, K. Global bifurcation and local multiplicity results for elliptic equations with singular nonlinearity of super exponential growth in $\mathbb{R}^2$. **Adv. Differential Equations** 17 (2012),no. 3-4, 369-400.
*Citeaza*: M. Ghergu, V.Radulescu, *Singular elliptic problems: bifurcation and asymptotic analysis*, **Oxford Lecture Series in Mathematics and its Applications**, 37. The Clarendon Press, Oxford University Press, Oxford, 2008.

100. Bhattacharya, Tilak; Mohammed, Ahmed Inhomogeneous Dirichlet problems involving the infinity-Laplacian. **Adv. Differential Equations** 17 (2012), no. 3-4, 225-266.
*Citeaza*: M. Ghergu, V.Radulescu, *Singular elliptic problems: bifurcation and asymptotic analysis*, **Oxford Lecture Series in Mathematics and its Applications**, 37. The Clarendon Press, Oxford University Press, Oxford, 2008.

101. Hamydy, A.; Massar, M.; Tsouli, N. Blow-up solutions to a $(p, q)$-Laplacian system with gradient term. **Appl. Math. Lett.** 25 (2012), no. 4, 745-751.
*Citeaza*: M. Ghergu, V.Rdulescu, *Singular elliptic problems: bifurcation and asymptotic analysis*, **Oxford Lecture Series in Mathematics and its Applications**, 37. The Clarendon Press, Oxford University Press, Oxford, 2008.

102. Vetois, Jerome Strong maximum principles for anisotropic elliptic and parabolic equations. **Adv. Nonlinear Stud.** 12 (2012), no. 1, 101-114. (Reviewer: Yi Li)
*Citeaza*: M.Mihailescu; P. Pucci, V. Radulescu, *Eigenvalue problems for anisotropic quasilinear elliptic equations with variable exponent (English summary)*, **J. Math. Anal. Appl.** 340 (2008), no. 1, 687-698.

103. Le, Vy Khoi On variational inequalities with maximal monotone operators and multi-valued perturbing terms in Sobolev spaces with variable exponents. **J. Math. Anal. Appl.** 388 (2012), no. 2, 695-715.
*Citeaza*: M. Mihailescu; P. Pucci, V. Radulescu, *Eigenvalue problems for anisotropic quasilinear elliptic equations with variable exponent (English summary)*, **J. Math. Anal. Appl.** 340 (2008), no. 1, 687-698.

104. Mohammed, Ahmed; Mohammed, Seid Boundary blow-up solutions to degenerate elliptic equations with non-monotone inhomogeneous terms. **Nonlinear Anal.** 75 (2012), no. 6, 3249-3261.
*Citeaza*: F.C. Cirstea, V. Rdulescu, *Existence and uniqueness of blow-up solutions for a class of logistic equations*, **Commun. Contemp. Math.** 4 (2002), no. 3, 559-586.

105. G. Bonanno A critical point theorem via the Ekeland variational principle. **Nonlinear Anal.** 75 (2012), no. 5, 2992-3007. (Reviewer: Giuseppina Barletta)
*Citeaza*: D. Motreanu, V. Radulescu, *Variational and non-variational methods in nonlinear analysis and boundary value problems*, **Nonconvex Optimization and its Applications, 67.** Kluwer Academic Publishers, Dordrecht, 2003.

106. Bonanno, Gabriele; Di Bella, Beatrice Fourth-order hemivariational inequalities. **Discrete Contin. Dyn. Syst. Ser. S** 5 (2012), no. 4, 729-739. (Reviewer: Siegfried Carl)
*Citeaza*: D. Motreanu, V. Radulescu, *Variational and non-variational methods in nonlinear analysis and boundary value problems*, **Nonconvex Optimization and its Applications, 67.** Kluwer Academic Publishers, Dordrecht, 2003.

107. Costea, Nicusor; Matei, Andaluzia Contact models leading to variational-hemivariational inequalities. **J. Math. Anal. Appl.** 386 (2012), no. 2, 647-660.
*Citeaza*: D. Motreanu, V. Radulescu, *Variational and non-variational methods in nonlinear analysis and boundary value problems*, **Nonconvex Optimization and its Applications, 67.** Kluwer Academic Publishers, Dordrecht, 2003.

108. Garcia-Melian, Jorge; Sabina de Lis, Jose C. A boundary blow-up problem with a nonlocal reaction. **Nonlinear Anal.** 75 (2012), no. 5, 2774-2792.
*Citeaza*: F.C. Cirstea, V. Radulescu, *Asymptotics for the blow-up boundary solution of the logistic equation with absorption,* **C. R. Math. Acad. Sci. Paris** 336 (2003), no. 3, 231-236.

109. Alarcon, Salomon; Garcia-Melian, Jorge; Quaas, Alexander Keller-Osserman type conditions for some elliptic problems with gradient terms. **J. Differential Equations** 252 (2012), no. 2, 886-914.
*Citeaza*: F.C. Cirstea, V. Radulescu, *Asymptotics for the blow-up boundary solution of the logistic equation with absorption*, **C. R. Math. Acad. Sci. Paris** 336 (2003), no. 3, 231-236.

110. Mi, Ling; Liu, Bin Second order expansion for blowup solutions of semilinear elliptic problems. **Nonlinear Anal.** 75 (2012), no. 4, 2591-2613.
*Citeaza*: F.C. Cirstea, V. Radulescu, *Nonlinear problems with boundary blow-up: a Karamata regular variation theory approach*, **Asymptot. Anal.** 46 (2006), no. 3-4, 275-298.

111. Niculescu, Constantin P.; Roventa, Ionel Generalized convexity and the existence of finite time blow-up solutions for an evolutionary problem. Nonlinear Anal. 75 (2012), no. 1, 270-277.
*Citeaza*: F.C. Cirstea, V. Radulescu, *Nonlinear problems with boundary blow-up: a Karamata regular variation theory approach*, **Asymptot. Anal.** 46 (2006), no. 3-4, 275-298.

112. Mi, Ling; Liu, Bin Second order expansion for blowup solutions of semilinear elliptic problems. **Nonlinear Anal.** 75 (2012), no. 4, 2591-2613.
*Citeaza*: F.C. Cirstea, V. Radulescu, *Blow-up boundary solutions of semilinear elliptic problems*, **Nonlinear Anal.** 48 (2002), no. 4, Ser. A: Theory Methods, 521-534.

113. Yang, Haitao; Chang, Yibin On the blow-up boundary solutions of the Monge-Ampre equation with singular weights. **Commun. Pure Appl. Anal.** 11 (2012), no. 2, 697-708.
*Citeaza*: F.C. Cirstea, V. Radulescu, *Blow-up boundary solutions of semilinear elliptic problems*, **Nonlinear Anal.** 48 (2002), no. 4, Ser. A: Theory Methods, 521-534.

114. Le, Vy Khoi On variational inequalities with maximal monotone operators and multi-valued perturbing terms in Sobolev spaces with variable exponents. **J. Math. Anal. Appl.** 388 (2012), no. 2, 695-715. (Reviewer: Claudia M. Gariboldi)
*Citeaza*: A. Kristaly, V. Radulescu, C.G. Varga, *Variational principles in mathematical physics, geometry, and economics. Qualitative analysis of nonlinear equations and unilateral problems. With a foreword by Jean Mawhin*, **Encyclopedia of Mathematics and its Applications**, 136. Cambridge University Press, Cambridge, 2010.

115. Kristaly, Alexandru Bifurcations effects in sublinear elliptic problems on compact Riemannian manifolds. **J. Math. Anal. Appl.** 385 (2012), no. 1, 179-184.
*Citeaza*: A. Kristaly, V. Radulescu, C.G. Varga, *Variational principles in mathematical physics, geometry, and economics. Qualitative analysis of nonlinear equations and unilateral problems. With a foreword by Jean Mawhin*, **Encyclopedia of Mathematics and its Applications**, 136. Cambridge University Press, Cambridge, 2010.

116. Dhifli, Abdelwaheb; Zine El Abidine, Zagharide Asymptotic behavior of positive solutions of a semilinear polyharmonic problem in the unit ball. **Nonlinear Anal.** 75 (2012), no. 2, 625-636.
*Citeaza*: F.C. Cirstea, V. Radulescu, *Extremal singular solutions for degenerate logistic-type equations in anisotropic media*, **C. R. Math. Acad. Sci. Paris** 339 (2004), no. 2, 119-124.

117. Hamydy, A.; Massar, M.; Tsouli, N. Blow-up solutions to a $(p, q)$-Laplacian system with gradient term. **Appl. Math. Lett.** 25 (2012), no. 4, 745-751.
*Citeaza*: F.C. Cirstea, V. Radulescu, *Entire solutions blowing up at infinity for semilinear elliptic systems*, **J. Math. Pures Appl.** (9) 81 (2002), no. 9, 827-846.

118. Le, Vy Khoi On variational inequalities with maximal monotone operators and multi-valued perturbing terms in Sobolev spaces with variable exponents. **J. Math. Anal. Appl.** 388 (2012), no. 2, 695-715. (Reviewer: Claudia M. Gariboldi)
*Citeaza*: M. Mihailescu, V. Radulescu, *Existence and multiplicity of solutions for quasilinear nonhomogeneous problems: an Orlicz-Sobolev space setting*, **J. Math. Anal. Appl.** 330 (2007), no. 1, 416-432.

119. Fan, Xianling Differential equations of divergence form in Musielak-Sobolev spaces and a sub-supersolution method. **J. Math. Anal. Appl.** 386 (2012), no. 2, 593-604.
*Citeaza*: M. Mihailescu, V. Radulescu, *Existence and multiplicity of solutions for quasilinear nonhomogeneous problems: an Orlicz-Sobolev space setting*, **J. Math. Anal. Appl.** 330 (2007), no. 1, 416-432.

120. Dhanya, R.; Giacomoni, J.; Prashanth, S.; Saoudi, K. Global bifurcation and local multiplicity results for elliptic equations with singular nonlinearity of super exponential growth in $\mathbb{R}^2$. **Adv. Differential Equations** 17 (2012), no. 3-4, 369-400.
*Citeaza*: M. Ghergu, V. Radulescu, *Multi-parameter bifurcation and asymptotics for the singular Lane-Emden-Fowler equation with a convection term*, **Proc. Roy. Soc. Edinburgh Sect.** A 135 (2005), no. 1, 61-83.

121. Mohammed, Ahmed; Mohammed, Seid Boundary blow-up solutions to degenerate elliptic equations with non-monotone inhomogeneous terms. **Nonlinear Anal.** 75 (2012), no. 6, 3249-3261.
*Citeaza*: S. Dumont, L. Dupaigne, O. Goubet, V. Radulescu, *Back to the Keller-Osserman condition for boundary blow-up solutions*, **Adv. Nonlinear Stud.** 7 (2007), no. 2, 271-298.

122. Garcia-Melian, Jorge; Sabina de Lis, Jose C. A boundary blow-up problem with a nonlocal reaction. **Nonlinear Anal.** 75 (2012), no. 5, 2774-2792
*Citeaza*: S. Dumont, L. Dupaigne, O. Goubet, V. Radulescu, *Back to the Keller-Osserman condition for boundary blow-up solutions*, **Adv. Nonlinear Stud.** 7 (2007), no. 2, 271-298.

123. Mi, Ling; Liu, Bin Second order expansion for blowup solutions of semilinear elliptic problems. **Nonlinear Anal.** 75 (2012), no. 4, 2591-2613.
*Citeaza*: S. Dumont, L. Dupaigne, O. Goubet, V. Radulescu, *Back to the Keller-Osserman condition for boundary blow-up solutions*, **Adv. Nonlinear Stud.** 7 (2007), no. 2, 271-298.

124. Alarcon, Salomon; Garca-Melian, Jorge; Quaas, Alexander Keller-Osserman type conditions for some elliptic problems with gradient terms. **J. Differential Equations** 252 (2012), no. 2, 886-914. (Reviewer: Guo Qing Zhang)
*Citeaza*: S. Dumont, L. Dupaigne, O. Goubet, V. Radulescu, *Back to the Keller-Osserman condition for boundary blow-up solutions*, **Adv. Nonlinear Stud.** 7 (2007), no. 2, 271-298.

125. C. Niculescu; I. Roventa Generalized convexity and the existence of finite time blow-up solutions for an evolutionary problem. **Nonlinear Anal.** 75 (2012), no. 1, 270-277.
*Citeaza*: S. Dumont, L. Dupaigne, O. Goubet, V. Radulescu, *Back to the Keller-Osserman condition for boundary blow-up solutions*, **Adv. Nonlinear Stud.** 7 (2007), no. 2, 271-298.

126. Mohammed, Ahmed; Mohammed, Seid Boundary blow-up solutions to degenerate elliptic equations with non-monotone inhomogeneous terms. **Nonlinear Anal.** 75 (2012), no. 6, 3249-3261.
*Citeaza*: F.C. Cirstea, V. Radulescu, *Boundary blow-up in nonlinear elliptic equations of Bieberbach-Rademacher type*, **Trans. Amer. Math. Soc.** 359 (2007), no. 7, 3275-3286.

127. Alarcon, Salomon; Garcia-Melian, Jorge; Quaas, Alexander Keller-Osserman type conditions for some elliptic problems with gradient terms. **J. Differential Equations** 252 (2012), no. 2, 886-914.
*Citeaza*: M. Ghergu, C. Niculescu, V. Radulescu, *Explosive solutions of elliptic equations with absorption and non-linear gradient term*, **Proc. Indian Acad. Sci. Math. Sci.** 112 (2002), no. 3, 441-451.

128. Hamydy, A.; Massar, M.; Tsouli, N. Blow-up solutions to a $(p, q)$-Laplacian system with gradient term. **Appl. Math. Lett.** 25 (2012), no. 4, 745-751.
*Citeaza*: M. Ghergu, V. Radulescu, *Explosive solutions of semilinear elliptic systems with gradient term*, **RACSAM. Rev. R. Acad. Cienc. Exactas Fs. Nat. Ser. A Mat.** 97 (2003), no. 3, 467-475.

129. El-Hadi Miri, Sofiane Quasilinear elliptic problems with general growth and nonlinear term having singular behavior. **Adv. Nonlinear Stud.** 12 (2012), no. 1, 19-48.
*Citeaza*: M. Ghergu, V. Radulescu, *Bifurcation and asymptotics for the Lane-Emden-Fowler equation*, **C. R. Math. Acad. Sci. Paris** 337 (2003), no. 4, 259-264.

130. Bueno, H.; Ercole, G.; Zumpano, A.; Ferreira, W. M. Positive solutions for the $p$-Laplacian with dependence on the gradient. **Nonlinearity** 25 (2012), no. 4, 1211-1234.
*Citeaza*: M. Ghergu, V. Radulescu, *Ground state solutions for the singular Lane-Emden-Fowler equation with sublinear convection term*, **J. Math. Anal. Appl.** 333 (2007), no. 1, 265-273.

131. El-Hadi Miri, Sofiane Quasilinear elliptic problems with general growth and nonlinear term having singular behavior. **Adv. Nonlinear Stud.** 12 (2012), no. 1, 19-48.
*Citeaza*: M. Ghergu, V. Radulescu, *Ground state solutions for the singular Lane-Emden-Fowler equation with sublinear convection term*, **J. Math. Anal. Appl.** 333 (2007), no. 1, 265-273.

132. Zhao, Leiga; Li, Anran; Su, Jiabao Existence and multiplicity results for quasilinear elliptic exterior problems with nonlinear boundary conditions. **Nonlinear Anal.** 75 (2012), no. 4, 2520-2533.
*Citeaza*: R. Filippucci, P. Pucci, V. Radulescu, *Existence and non-existence results for quasilinear elliptic exterior problems with nonlinear boundary conditions*, **Comm. Partial Differential Equations** 33 (2008), no. 4-6, 706-717.

133. Aouaoui, Sami On some degenerate quasilinear equations involving variable exponents. **Nonlinear Anal.** 75 (2012), no. 4, 1843-1858.
*Citeaza*: R. Filippucci, P. Pucci, V. Radulescu, *Existence and non-existence results for quasilinear elliptic exterior problems with nonlinear boundary conditions*, **Comm. Partial Differential Equations** 33 (2008), no. 4-6, 706-717.

134. Ma, Ruyun; Dai, Guowei; Gao, Chenghua Existence and multiplicity of positive solutions for a class of $\mathbf{p}(\mathbf{x})$-Kirchhoff type equations. **Bound. Value Probl.** 2012, 2012:16, 16 pp.
*Citeaza*: M. Mihailescu, V. Radulescu, *A multiplicity result for a nonlinear degenerate problem arising in the theory of electrorheological fluids*, **Proc. R. Soc. Lond. Ser. A Math. Phys. Eng. Sci.** 462 (2006), no. 2073, 2625-2641.

135. Mashiyev, R. A.; Cekic, B.; Avci, M.; Yucedag, Z. Existence and multiplicity of weak solutions for nonuniformly elliptic equations with nonstandard growth condition. **Complex Var. Elliptic Equ.** 57 (2012), no. 5, 579-595.
*Citeaza*: M. Mihailescu, V. Radulescu, *A multiplicity result for a nonlinear degenerate problem arising in the theory of electrorheological fluids*, **Proc. R. Soc. Lond. Ser. A Math. Phys. Eng. Sci.** 462 (2006), no. 2073, 2625-2641.

136. H. Kasuya, Vaisman metrics on solvmanifolds and Oeljeklaus-Toma manifolds, **acceptat la Bulletin of the London Mathematical Society** (arXiv: 1204.1878); FI = 0.541
*Citeaza*: Mihaela Pilca, Liviu Ornea, *Remarks on the Product of Harmonic Forms*, **Pacific Journal of Math. 250** (2011), pag. 353 – 363.

137. Moroianu, Andrei; Semmelmann, Uwe , Invariant four-forms and symmetric pairs , **acceptat de Ann. Global Anal. Geom.** (doi:10.1007/s10455-012-9336-y); FI = 0.714
*Citeaza*: Andrei Moroianu, Mihaela Pilca *Higher Rank Homogeneous Clifford Structures*, **acceptat la J. London Math. Soc., in tipar**; arXiv:1110.4260.

138. Q. Sun, *On determination of $GL_3$ cusp forms,* **Acta Arith. 151, no. 1** (2012), pag. 39–54; FI = 0.508
*Citeaza*: G. Chinta şi A. Diaconu, *Determination of a $GL_3$ cuspform by twists of central $L$–values*, **Int. Math. Res. Not., no. 48** (2005), pag. 2941–2967.

139. Pantiruc Marian, H-cones of excessive measures on a locally compact semigroup **Positivity**, 2012 (DOI 10.1007/s11117-012-0205-5), FI=0,368
*Citeaza*: Beznea, Lucian *Absolutely continuous potential kernels on homogeneous spaces*, **Stud. Cercet. Mat. 38** (1986), 264-283, 1986.

140. Pantiruc Marian, H-cones of excessive measures on a locally compact semigroup, **Positivity**, 2012 (DOI 10.1007/s11117-012-0205-5), FI=0,368
*Citeaza*: Beznea, Lucian; Boboc, Nicu *On the integral representation for excessive measures*, **Revue Roumaine Math. Pures Appl. 40** (1985), p. 725-734.

141. Pantiruc Marian, H-cones of excessive measures on a locally compact semigroup, **Positivity**, 2012 (DOI 10.1007/s11117-012-0205-5), FI=0,368
*Citeaza*: Beznea, Lucian; Boboc, Nicu *Excessive functions and excessive measures: Huntõs theorem on balayages, quasi-continuity* **Classical and Modern Potential Theory and Applications, NATO ASI Series C 430** Kluwer (1994), p. 77-92.

142. Pantiruc Marian, H-cones of excessive measures on a locally compact semigroup, **Positivity**, 2012 (DOI 10.1007/s11117-012-0205-5), FI=0,368
    *Citeaza*: Beznea, Lucian; Boboc, Nicu *Duality and biduality for excessive measures*, **Revue Roumaine Math. Pure Appl. 39** (1994), 419-438.

143. Pantiruc Marian, H-cones of excessive measures on a locally compact semigroup **Positivity**, 2012 (DOI 10.1007/s11117-012-0205-5), FI=0,368
    *Citeaza*: Beznea, Lucian; Boboc, Nicu *Potential theory and right processes. Mathematics and its Applications, 572*, **Kluwer Academic Publishers, Dordrecht** (2004).

144. Zhu, Rong-Chan, BSDE and generalized Dirichlet forms: The infinite dimensional case, **Forum Mathematicum**, 2012 (DOI: 10.1515/forum-2012-0007), FI=0,607
    *Citeaza*: Beznea, Lucian; Boboc, Nicu, Röckner, Michael *Markov processes associated with $L^p$-resolvents and applications to stochastic differential equations on Hilbert space*, **J. Evol. Equ. 6** (2006), no. 4, pag. 745–772.

145. W. Sintunavarat, P. Kumam, *Common fixed point theorem for hybrid generalized multi-valued contraction mappings*, **Appl. Math. Lett. 25** (2012).
    *Citeaza*: T. Zamfirescu, *Fix point theorems in metric spaces*, **Arch. Math. 23**, 1-2 (1972) 292-298.

146. L. Habert, M. Pocchiola, *Computing Pseudotriangulations via Branched Coverings*, **Discrete comput. Geom. 48** (2012).
    *Citeaza*: J. Goodman, R. Pollack, R. Wenger, T. Zamfirescu, *Arrangements and topological planes*, **Amer. Math. Mon. 101**, (1994) 866-878.

147. K. Adiprasito, *Infinite curvature on typical convex surfaces*, **Geom. Dedicata 159** (2012).
    *Citeaza*: K. Adiprasito, T. Zamfirescu: *Large Curvature on Typical Convex Surfaces* **J. Convex Analysis 19**, 2 (2012) 385–391.

148. K. Adiprasito, *Infinite curvature on typical convex surfaces*, **Geom. Dedicata 159** (2012).
    *Citeaza*: T. Zamfirescu: *Nonexistence of curvature in most points of most convex surfaces* **Math. Ann. 252** (1980) 217–219.

149. K. Adiprasito, *Infinite curvature on typical convex surfaces*, **Geom. Dedicata 159** (2012).
    *Citeaza*: T. Zamfirescu: *The curvature of most convex surfaces vanishes almost everywhere* **Math. Z. 174** (1980) 135–139.

150. K. Adiprasito, *Infinite curvature on typical convex surfaces*, **Geom. Dedicata 159** (2012).
    *Citeaza*: T. Zamfirescu: *Curvature properties of typical convex surfaces* **Pacific J. Math. 131** (1988) 191–207.

151. A. Fruchard, *Small holding circles*, **Geom. Dedicata 157** (2012).
    *Citeaza*: J. Itoh, Y. Tanoue, T. Zamfirescu: *Tetrahedra passing through a circular or square hole* **Rend. Circ. Mat. Palermo 77** (2006) 349–354.

152. A. Fruchard, *Small holding circles*, **Geom. Dedicata 157** (2012). FI=0.364
    *Citeaza*: T. Zamfirescu: *How to hold a convex body* **Geom. Dedicata 54** (1995) 313–316.

153. J. Itoh, C. Vîlcu, *Cut locus structures on graphs*, **Discrete Math. 312** (2012).
    *Citeaza*: T. Zamfirescu: *Many endpoints and few interior points of geodesics* **Invent. Math. 69** (1982) 253–257.

154. J. Itoh, C. Vîlcu, *Cut locus structures on graphs*, **Discrete Math. 312** (2012).
    *Citeaza*: T. Zamfirescu: *On the cut locus in Alexandrov spaces and applications to convex surfaces* **Pacific J. Math. 217** (2004) 375–386.

155. J. Rouyer, T. Sari, *As many antipodes as vertices on convex polyhedra*, **Adv. Geom. 12** (2012).
    *Citeaza*: T. Zamfirescu: *On some questions about convex surfaces* **Math. Nachr. 172** (1995) 313–324.

156. J. Rouyer, T. Sari, *As many antipodes as vertices on convex polyhedra*, **Adv. Geom. 12** (2012).
    *Citeaza*: T. Zamfirescu: *Farthest points on convex surfaces* **Math. Z. 226** (1997) 623–630.

157. J. Rouyer, T. Sari, *As many antipodes as vertices on convex polyhedra*, **Adv. Geom. 12** (2012).
    *Citeaza*: T. Zamfirescu: *Extreme points of the distance function on convex surfaces* **Trans. Amer. Math. Soc. 350** (1998) 1395–1406.

158. J. Pardon, *Concurrent normals to convex bodies and spaces of Morse functions*, **Math. Ann. 352** (2012).
    *Citeaza*: T. Zamfirescu: *Points on infinitely many normals to convex surfaces* **J. reine angew. Math. 350** (1984) 183–187.

159. Hoering, A., On a conjecture of Beltrametti and Sommese, **J. Algebraic Geometry 21 (2012)**, 721–751
    *Citeaza*: P. Ionescu, *Generalized adjunction and applications*, **Math. Proc. Cambridge Phil. Soc. 99** (1986), pag. 457–472

160. Occhetta, G., Paterno V., Rationally cubic-connected manifolds I Manifolds covered by lines, **J. Math. Soc. Japan 64 (2012)**, 941–967, FI= 0.630
    *Citeaza*: P. Ionescu, *Generalized adjunction and applications*, **Math. Proc. Cambridge Phil. Soc. 99** (1986), pag. 457–472

161. Occhetta, G., Paterno V., Rationally cubic-connected manifolds I Manifolds covered by lines, **J. Math. Soc. Japan 64 (2012)**, 941–967, FI= 0.630
    *Citeaza*: P. Ionescu, F. Russo, *Conic-connected manifolds*, **J. reine angew. math. 644** (2010), pag. 145–158

162. Tsukioka T., On the minimal length of extremal rays for Fano 4-folds, **Math. Zeit. 271 (2012)**, 555–564
    *Citeaza*: P. Ionescu, *Generalized adjunction and applications*, **Math. Proc. Cambridge Phil. Soc. 99** (1986), pag. 457–472

163. Fukuma, Y., A numerical characterization of polarized manifolds $(X, L)$ with $K_X = -(n - i)L$ by the i-th sectional geometric genus and the i-th $\Delta$-genus, **Publ. RIMS Kyoto 48 (2012)**, 83–106
    *Citeaza*: P. Ionescu, *Generalized adjunction and applications*, **Math. Proc. Cambridge Phil. Soc. 99** (1986), pag. 457–472

164. Occhetta G., Paterno V., Rationally cubic-connected manifolds II, **Rev. Mat. Iberoam. 28 (2012)**, 815–838, FI=0.852
    *Citeaza*: P. Ionescu, *Generalized adjunction and applications*, **Math. Proc. Cambridge Phil. Soc. 99** (1986), pag. 457–472

165. Occhetta G., Paterno V., Rationally cubic-connected manifolds II, **Rev. Mat. Iberoam. 28 (2012)**, 815–838
    *Citeaza*: P. Ionescu, F. Russo, *Conic-connected manifolds*, **J. reine angew. math. 644** (2010), pag. 145–158

166. Watanabe K., On projective manifolds swept out by high dimensional cubic varieties, **Int. J. Math. 23 (2012)** nr. 7
    *Citeaza*: M. Beltrametti, P. Ionescu, *On manifolds swept out by high dimensional quadrics*, **Math. Zeit. 260** (2008), pag. 229–236

167. Fu B., Hwang J-M., **Invent. Math. 189 (2012)**, 457–513
    *Citeaza*: P. Ionescu, F. Russo, *Conic-connected manifolds*, **J. reine angew. math. 644** (2010), pag. 145–158

168. Beltrametti, M., Knutsen A., Lanteri A., Novelli C., Geometry of rays positive manifolds, **Collect. Math. 63 (2012)**, 375–391, FI= 0.628
    *Citeaza*: Ionescu, P., *On varieties whose degree is small with respect to codimension*, **Math. Ann., 271 (1985)**, 339–348

169. Beltrametti, M., Knutsen A., Lanteri A., Novelli C., Geometry of rays positive manifolds, **Collect. Math. 63 (2012)**, 375–391
    *Citeaza*: P. Ionescu, *Le probleme du relevement pour les diviseurs strictement nef*, **Rev. Roumaine Math. Pures Appl. 44** (1999), pag. 405–413

170. Park E., Projective subvarieties having large Green-Lazarsfeld index, **J. Algebra 351 (2012)**, 175–184
    *Citeaza*: P. Ionescu, *Embedded projective varieties of small invariants*, **Springer Lect. Notes Math. 1056** (1984), pag. 142–186

171. Athreya, Jayadev S.; Chaika, Jon, The distribution of gaps for saddle connection directions, **GEOMETRIC AND FUNCTIONAL ANALYSIS** (To appear), FI=1.246
    *Citeaza*: Florin P. Boca, Vicentiu Pasol, Alexandru A. Popa, Alexandru Zaharescu, *Pair correlation of angles between reciprocal geodesics on the modular surface*, **arXiv:1102.0328** (2011)

172. Zhu M., Jin L., Jiang Z., *A New Blow-Up Criterion for the DGH Equation*, **Abstract and Applied Analysis Volume 2012** (2012), art. ID:515948; FI=1.318.
    *Citeaza*: Ionescu-Kruse D., *Variational derivation of the Camassa-Holm shallow water equation*, **Journal of Nonlinear Mathematical Physics 14** (2007), pag. 303–312.

173. Guo Z. , Zhu M., *Wave breaking for a modified two-component Camassa-Holm system*, **Journal of Differential Equations 252** (2012), pag. 2759–2770; FI=1.277.
*Citeaza*: Ionescu-Kruse D., *Variational derivation of the Camassa-Holm shallow water equation*, **Journal of Nonlinear Mathematical Physics 14** (2007), pag. 303–312.

174. Li N., Lai S., Li S., Wu M., *The Local and Global Existence of Solutions for a Generalized Camassa-Holm Equation*, **Abstract and Applied Analysis Volume 2012** (2012), art. ID:532369; FI=1.318.
*Citeaza*: Ionescu-Kruse D., *Variational derivation of the Camassa-Holm shallow water equation*, **Journal of Nonlinear Mathematical Physics 14** (2007), pag. 303–312.

175. Liu J., Yin Z., *On the Cauchy problem of a periodic 2-component mu-Hunter-Saxton system*, **Nonlinear Analysis: Theory, Methods & Applications 75** (2012), pag 131–142; FI=1.536.
*Citeaza*: Ionescu-Kruse D., *Variational derivation of the Camassa-Holm shallow water equation*, **Journal of Nonlinear Mathematical Physics 14** (2007), pag. 303–312.

176. Liu J., Yin Z., *On the blow-up phenomena for a modified periodic two-component Camassa-Holm equation*, **IMA Journal of Applied Mathematics 77** (2012) pag. 563–577; FI=0.776.
*Citeaza*: Ionescu-Kruse D., *Variational derivation of the Camassa-Holm shallow water equation*, **Journal of Nonlinear Mathematical Physics 14** (2007), pag. 303–312.

177. Hu Q., Lin L., Jin J., *Initial boundary value problem for a coupled Camassa-Holm system with peakons*, **Applicable Analysis** (2012), DOI:10.1080/00036811.2012.667083; FI=0.744.
*Citeaza*: Ionescu-Kruse D., *Variational derivation of the Camassa-Holm shallow water equation*, **Journal of Nonlinear Mathematical Physics 14** (2007), pag. 303–312.

178. Ehrnström M., Escher J., Villari G., *Steady Water Waves with Multiple Critical Layers: Interior Dynamics*, **Journal of Mathematical Fluid Mechanics 14** (2012), pag. 407–419; FI=0.768.
*Citeaza*:

179. Ionescu-Kruse D., *Particle trajectories in linearized irrotational shallow water flows*, **Journal of Nonlinear Mathematical Physics 15** (2008), pag. 13–26.

180. Ehrnström M., Escher J., Villari G., *Steady Water Waves with Multiple Critical Layers: Interior Dynamics*, **Journal of Mathematical Fluid Mechanics 14** (2012), pag. 407–419; FI=0.768.
*Citeaza*: Ionescu-Kruse D., *Particle trajectories beneath small amplitude shallow water waves in constant vorticity flows* , **Nonlinear Analysis: Theory, Methods & Applications 71** (2009), pag. 3779–3793.

181. Hsu H.-C., Ng C.-O., Hwung H.-H., *A New Lagrangian Asymptotic Solution for Gravity - Capillary Waves in Water of Finite Depth*, **Journal of Mathematical Fluid Mechanics 14** (2012), pag. 79–94; FI=0.768.
*Citeaza*:

182. Ionescu-Kruse D., *Particle trajectories in linearized irrotational shallow water flows*, **Journal of Nonlinear Mathematical Physics 15** (2008), pag. 13–26.

183. Hsu H.-C., Ng C.-O., Hwung H.-H., *A New Lagrangian Asymptotic Solution for Gravity - Capillary Waves in Water of Finite Depth*, **Journal of Mathematical Fluid Mechanics 14** (2012), pag. 79–94; FI=0.768.
*Citeaza*: Ionescu-Kruse D., *Particle trajectories beneath small amplitude shallow water waves in constant vorticity flows* , **Nonlinear Analysis: Theory, Methods & Applications 71** (2009), pag. 3779–3793.

184. Matioc A.-V., *An exact solution for geophysical equatorial edge waves over a sloping beach*, **Journal of Physics A: Mathematical and Theoretical 45** (2012), 365501; FI=1.564.
*Citeaza*: Ionescu-Kruse D., *Particle trajectories in linearized irrotational shallow water flows*, **Journal of Nonlinear Mathematical Physics 15** (2008), pag. 13–26.

185. Matioc A.-V., *On particle trajectories in linear deep-water waves*, **Communications on Pure and Applied Analysis 11** (2012), pag. 1537–1547; FI=0.692.
*Citeaza*: Ionescu-Kruse D., *Particle trajectories in linearized irrotational shallow water flows*, **Journal of Nonlinear Mathematical Physics 15** (2008), pag. 13–26.

186. Wang L.-J., *Particle paths in small amplitude solitary waves with negative vorticity*, **Journal of Mathematical Analysis and Applications** (2012), DOI: 10.1016/j.jmaa.2012.08.052; FI=1.001.
*Citeaza*: Ionescu-Kruse D., *Particle trajectories beneath small amplitude shallow water waves in constant vorticity flows* , **Nonlinear Analysis: Theory, Methods & Applications 71** (2009), pag. 3779–3793.

187. Matioc A.-V., *Steady internal water waves with a critical layer bounded by the wave surface*, **Journal of Nonlinear Mathematical Physics 19** (2012), 1250008; FI=0.543.
*Citeaza*: Ionescu-Kruse D., *Elliptic and hyperelliptic functions describing the particle motion beneath small-amplitude water waves with constant vorticity*, **Communications on Pure and Applied Analysis 11** (2012), pag. 1475–1496.

188. C. David, J. Wu, Pseudoprime reductions of elliptic curves, **Canadian Journal Math. 64 no. 1** (2012), 81–101. FI=0.548
*Citeaza*: A. Balog, A.C. Cojocaru si C. David, *Average twin prime conjecture for elliptic curves,* **American Journal of Mathematics vol. 133 no. 5** (2011), 1179–1229.

189. C. David, J. Wu, *Almost prime values of the order of elliptic curves over finite fields*, **Forum Math. 24 no. 1** (2012), 99–119. FI=0.607
*Citeaza*: A. Balog, A.C. Cojocaru si C. David, *Average twin prime conjecture for elliptic curves,* **American Journal of Mathematics vol. 133, No. 5** (2011), 1179–1229.

190. J. Jiménez Urroz, F. Luca, I.E. Shparlinski, *On the number of isogeny classes of pairing-friendly elliptic curves and statistics of MNT curves*, **Math. Comp. 81 no. 278** (2012), 1093–1110. FI=1.313
*Citeaza*: A.C. Cojocaru, I.E. Shparlinski, *On the embedding degree of the reductions of an elliptic curve*, **Inform. Proc. Letters 109** (2009), 652–654.

191. C. David, J. Wu, *Pseudoprime reductions of elliptic curves*, **Canadian Journal Math. 64 no. 1** (2012), 81–101.
    *Citeaza*: A.C. Cojocaru, F. Luca, I.E. Shparlinski, *Pseudoprime reductions of elliptic curves,* **Mathematical Proceedings of Cambridge Philosophical Soc. 146** (2009), 513–522.

192. C. David, J. Wu, *Almost prime values of the order of elliptic curves over finite fields*, **Forum Math. 24 no. 1** (2012), 99–119.
    *Citeaza*: A.C. Cojocaru, C. David, *Frobenius fields for elliptic curves,* **American Journal of Mathematics 130, no. 6** (2008), 1535–1560.

193. O. Lemke, J. Robert, *Almost primes represented by quadratic polynomials,* **Acta Arithmetica 151 no. 3** (2012), 241–261
    *Citeaza*: A.C. Cojocaru, M.R. Murty, *An introduction to sieve methods and their applications,* London Mathematical Society Student Texts, Cambridge University Press, 2006.

194. S.A. Fletcher, P.P. Nielsen, P. Ochem, *Sieve methods for odd perfect numbers,* **Math. Comp. 81 no. 279** (2012), 1753–1776
    *Citeaza*: A.C. Cojocaru, M.R. Murty, *An introduction to sieve methods and their applications,* London Mathematical Society Student Texts, Cambridge University Press, 2006.

195. C. David, J. Wu, *Pseudoprime reductions f elliptic curves*, **Canadian J. Math. 64 no. 1** (2012), 81–101.
    *Citeaza*: A.C. Cojocaru, *Reductions of an elliptic curve with almost prime orders*, **Acta Arithmetica 119 no. 3** (2005), 265–289.

196. C. David, J. Wu, *Almost prime values of the order of elliptic curves over finite fields*, **Forum Math. 24 no. 1** (2012), 99–119.
    *Citeaza*: A.C. Cojocaru, *Reductions of an elliptic curve with almost prime orders*, **Acta Arithmetica 119 no. 3** (2005), 265–289.

197. WU JinSong, Co-amenability and Connes's embedding problem, **SCIENCE CHINA Mathematics 55** (2012), 977 - 984
    *Citeaza*: Capraro, V; Păunescu, L: *Product between ultrafilters and applications to Connes' embedding problem* **Journal of Operator Theory Volume 68, Issue 1** (2012), pag. 165 – 172;

198. Y.G. Tian, Formulas for calculating the extremum ranks and inertias of a four-term quadratic matrix-valued function and their applications, **LINEAR ALGEBRA AND ITS APPLICATIONS 437** (2012), 835–859,
    *Citeaza*: A. Gheondea: When are the products of normal operators normal?, Bull. Math. Soc. Roum. Math., 52(2009), 129-150.

199. G. Corach, M.C. Gonzalez, A. Maestrepieri, Unbounded symmetrizable idempotents, **LINEAR ALGEBRA AND ITS APPLICATIONS, 437** (2012), 659–674.
    *Citeaza*, A. Gheondea: Canonical forms of unbounded unitary operators in Krein spaces, Publications of the Research Institute of Mathematical Sciences, Kyoto University, 24(1988), 205-224.

200. Y. Li, X.M. Xu, XM, THE LOGIC ORDER ON A GENERALIZED HERMITIAN AL-GEBRA, **REPORTS ON MATHEMATICAL PHYSICS 69**, (2012), 371–381.
    *Citeaza*, A. Gheondea, S. Gudder, P. Jonas, On the infimum of quantum effects. J. Math. Phys. 46 (2005), no. 6, 062102, 11 pag.

201. Y. Arlinskii, Y. Kovalev, E. Tsekanovskii, Accretive and Sectorial Extensions of Nonnega-tive Symmetric Operators, **COMPLEX ANALYSIS AND OPERATOR THEORY 6** (2012), 677–718.
    *Citeaza*: G. Arsene, A. Gheondea, Completing matrix contractions, J OPERAT THEOR, 7(1982), 179–189.

202. B. Magajna, Fixed points of normal completely positive maps on B(H) **JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS 389** (2012), 1291–1302.
    *Citeaza*: A. Arias, A. Gheondea, and S. Gudder: Fixed points of quantum operations, J. Mathematical Physics, 43(2002), no. 12, 5872–5881.

203. L. Michalik, A.W. Domanski, Degree of polarization as a measurable quantity for a quan-tum optical field containing variously polarized photons **CENTRAL EUROPEAN JOURNAL OF PHYSICS 10** (2012), 454–458.
    *Citeaza*: T. Tudor and A. Gheondea: Pauli algebraic forms of normal and non-normal operators, J. Opt. Soc. Amer. A 24 (2007), 204-210.

204. S. Zhu, Z.H. Ma, Interval topology on effect algebras **APPLIED MATHEMATICS LETTERS 25** (2012), 631–635.
    *Citeaza*: A. Gheondea and S. Gudder: Sequential product of quantum effects, Proceedings of the American Mathematical Society, 132(2004), 503-512.

205. S. Albeverio, P.E.T. Jorgensen, A.M. Paolucci, On Fractional Brownian Motion and Wavelets **COMPLEX ANALYSIS AND OPERATOR THEORY 6** (2012), 33–63.
    *Citeaza*: A. Gheondea, A.S. Kavruk: Absolute continuity of operator valued completely positive maps on C*-algebras, J. Math. Phys. 50(2008), no.2, 022102, 29 pag.

206. T. Bhattacharyya, Abstract Characteristic Function **COMPLEX ANALYSIS AND OPERATOR THEORY 6** (2012), 91–103.
    *Citeaza*: A. Gheondea and G. Popescu: Bounded characteristic functions and models for noncontractive sequences of operators, Integral Equations and Operator Theory, 45(2003), 15–38.

207. B.P. Duggal, Quantum effects, sequential independence and majorization **LINEAR AL-GEBRA AND ITS APPLICATIONS 435** (2012), 3014–3023.
    *Citeaza*: A. Gheondea and S. Gudder: Sequential product of quantum effects, Proceedings of the American Mathematical Society, 132(2004), 503-512.

208. PJ Forrester, EM Rains, A Fuchsian matrix differential equation for Selberg correlation integrals, **Comm. Math. Phys. 309** (2012), pag. 771–792; FI=1.941
    *Citeaza*: R. Killip, I. Nenciu, *Matrix models for beta ensembles*, **Int. Math. Res. Not. 50** (2004), pag. 2665– 2701.

209. PJ Forrester, NS Witte, Asymptotic forms for hard and soft edge general $\beta$-conditional gap probabilities, **Nuclear Phys. B 859** (2012), pag. 321–340; FI=4.661
*Citeaza*: R. Killip, I. Nenciu, *Matrix models for beta ensembles*, **Int. Math. Res. Not. 50** (2004), pag. 2665– 2701.

210. Z Du, J Du, Orthogonal trigonometric polynomials: RiemannHilbert analysis and relations with OPUC, **Asymptotic Anal. 79** (2012), pag. 87–132, FI=0.413
*Citeaza*: R. Killip, I. Nenciu, *CMV: the unitary analogue of Jacobi matrices*, **Comm. Pure Appl. Math. 60** (2007), pag. 1148–1188.

211. Z Du, J Du, Orthogonal trigonometric polynomials: RiemannHilbert analysis and relations with OPUC, **Asymptotic Anal. 79** (2012), pag. 87–132, FI=0.413
*Citeaza*: I. Nenciu, *CMV matrices in random matrix theory and integrable systems: a survey*, **J. Phys. A-Math. Theor. 39** (2006), pag. 8811–8822

212. Savoie, B., On the zero-field orbital magnetic susceptibility of Bloch electrons in graphene-like solids: Some rigorous results, **JOURNAL OF MATHEMATICAL PHYSICS 53, Issue 7** (2012), Article number 073302; FI=1.291
*Citeaza*: G. Nenciu, *Dynamics of band electrons in electric and magnetic fields: Rigorous justification of the effective hamiltonians*, **Rev. Mod. Phys, 63 (1991)**,91-128.

213. Cheng, B. H., Lan, Y-C., Photonic Bloch Oscillations in Multi-layered Fishnet Structure, **PLASMONICS 7** (2012), 215-220; FI=2.989
*Citeaza*: G. Nenciu, *Dynamics of band electrons in electric and magnetic fields: Rigorous justification of the effective hamiltonians*, **Rev. Mod. Phys, 63 (1991)**,91-128.

214. Duque-Gomez, F.,Sipe, J. E., Response of a particle in a one-dimensional lattice to an applied force: Dynamics of the effective mass, **PHYSICAL REVIEW A 85, Issue 5** (2012), Article number 053412; FI=2.870
*Citeaza*: G. Nenciu, *Dynamics of band electrons in electric and magnetic fields: Rigorous justification of the effective hamiltonians*, **Rev. Mod. Phys, 63 (1991)**,91-128.

215. Tackmann, G., Pelle, B., Hilico, A., Beaufils, Q., dos Santos, F. Pereira, Raman-laser spectroscopy of Wannier-Stark states, **PHYSICAL REVIEW A 84, Issue 6** Article number 063422;FI=2.870
*Citeaza*: G. Nenciu, *Dynamics of band electrons in electric and magnetic fields: Rigorous justification of the effective hamiltonians*, **Rev. Mod. Phys, 63 (1991)**,91-128.

216. De Nittis, G., Lein, M., Exponentially localized Wannier functions in periodic zero flux magnetic fields, **JOURNAL OF MATHEMATICAL PHYSICS 52 Issue 11** Article number 112103; FI=1.291
*Citeaza*: G. Nenciu, *Dynamics of band electrons in electric and magnetic fields: Rigorous justification of the effective hamiltonians*, **Rev. Mod. Phys, 63 (1991)**,91-128.

217. de Oliveira, Cesar R., Verri, Alessandra A., Mathematical predominance of Dirichlet condition for the one-dimensional Coulomb potential, **JOURNAL OF MATHEMATICAL PHYSICS 53 Issue 5** (2012), Article number 052104; FI=1.291
*Citeaza*: G. Nenciu, *REMOVING CUTOFFS FROM SINGULAR PERTURBATIONS - AN ABSTRACT RESULT*, **LETTERS IN MATHEMATICAL PHYSICS 7**, (1983), 301-306.

218. Viennot, D., Leclerc, A., Jolicard, G., Killingbeck, John P.,Consistency between adiabatic and non-adiabatic geometric phases for non-self-adjoint Hamiltonians, **JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL 45 Issue 33**, (2012) Article number 335301; FI=1.564
   *Citeaza*: G. Nenciu, Rasche, G. *on the adiabatic theorem for nonself-adjoint operators* **JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 25** (1992), 5741-5751.

219. Avron, J. E., Fraas, M., Graf, G. M., Grech, P., Adiabatic Theorems for Generators of Contracting Evolutions **COMMUNICATIONS IN MATHEMATICAL PHYSICS 314**, (2012), 163-191; FI=1.941
   *Citeaza*: G. Nenciu, Rasche, G. *On the adiabatic theorem for nonself-adjoint operators* **JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 25** (1992), 5741-5751.

220. Dridi, G., Guerin, S., Adiabatic passage for a lossy two-level quantum system by a complex time method, **JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL 45 Issue 18**, Article number 185303; FI=1.564
   *Citeaza*: G. Nenciu, Rasche, G. *on the adiabatic theorem for nonself-adjoint operators* **JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 25** (1992), 5741-5751.

221. Gilary, I., Moiseyev, Nimrod, Asymmetric effect of slowly varying chirped laser pulses on the adiabatic state exchange of a molecule, **JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS 45 Issue 5**, Article number 051002; FI=1.875
   *Citeaza*: G. Nenciu, Rasche, G. *on the adiabatic theorem for nonself-adjoint operators* **JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 25** (1992), 5741-5751.

222. Tao Y., Sufficient Condition for Validity of Quantum Adiabatic Theorem, **COMMUNICATIONS IN THEORETICAL PHYSICS 57** (2012), 343-347; FI=0.747
   *Citeaza*: G. Nenciu, *Adiabatic theorem of quantum mechanics*, **JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 13** (1980), L15-L18.

223. Gesztesy F., Zincenko, M. , Symmetrized perturbation determinants and applications to boundary data maps and Krein-type resolvent formulas , **PROCEEDINGS OF THE LONDON MATHEMATICAL SOCIETY 104** (2012), 577-612; FI=1.324
   *Citeaza*: G. Nenciu, *Applications of the Krein formula to the theory of self-adjoint extensions of positive symmetric operators*, **J. Operator Theory 10** (1993), pag. 209-218.

224. Briet, P., Cornean H.D., Savoie, B., A rigorous proof of Landau-Peierls formula and much more, **Ann. Henri Poincare 13** (2012), 1-40; FI=1.211
   *Citeaza*:N. Angelescu, M.Bumdaru, G. Nenciu, *Landau magnetism*, **Commun. Math. Phys. 42** (1975),9-28.

225. Cornean, Horia D., Duclos, P., Purice, R., Adiabatic Non-Equilibrium Steady States in the Partition Free Approach, **ANNALES HENRI POINCARE 13**, (2012), 827-856; FI=1.211

*Citeaza*: G. Nenciu,*Independent electron model for open quantum systems: Landauer-Buttiker formula and strict positivity of the entropy production*, **JOURNAL OF MATHEMATICAL PHYSICS 48 , Issue: 3** (2007), Article number 033302.

226. Jacquet, Ph A. Pillet, C. -A., Temperature and voltage probes far from equilibrium, **PHYSICAL REVIEW B 85, Issue 12**, (2012), Article number 125120; FI=3.691
*Citeaza*: G. Nenciu,*Independent electron model for open quantum systems: Landauer-Buttiker formula and strict positivity of the entropy production*, **JOURNAL OF MATHEMATICAL PHYSICS 48 , Issue: 3** (2007), Article number 033302.

227. van Leeuwen, R., Stefanucci, G., Wick theorem for general initial states, **PHYSICAL REVIEW B 85** (2012), Article number 115119; FI=3.691
*Citeaza*: G. Nenciu, Rasche, G., *On the adiabatic theorem for nonself-adjoint operators* **JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 25** (1992), 5741-5751.

228. Szpak, N., Schuetzhold, R., Optical lattice quantum simulator for quantum electrodynamics in strong external fields: spontaneous pair creation and the Sauter-Schwinger effect, **NEW JOURNAL OF PHYSICS 14** (2012), Article number 035001; FI=4.177
*Citeaza*: G. Nenciu, *ON THE ADIABATIC LIMIT FOR DIRAC PARTICLES IN EXTERNAL FIELDS*, **COMMUNICATIONS IN MATHEMATICAL PHYSICS 76**, (1980), 117-128.

229. Nacbar, Denis R., Bruno-Alfonso, A., Analytical optimization of spread and change of exponential decay of generalized Wannier functions in one dimension, **PHYSICAL REVIEW B 85, Issue 19** (2012), Article number 195127; FI=3.691
*Citeaza*: G. Nenciu, *EXISTENCE OF THE EXPONENTIALLY LOCALIZED WANNIER FUNCTIONS*, **COMMUNICATIONS IN MATHEMATICAL PHYSICS 91**, (1983), 81-85.

230. Bowler, D. R., Miyazaki, T., O(N) methods in electronic structure calculations, **REPORTS ON PROGRESS IN PHYSICS 75, Issue 3** (2012), Article number 036503: FI=14.72
*Citeaza*: G. Nenciu, *EXISTENCE OF THE EXPONENTIALLY LOCALIZED WANNIER FUNCTIONS*, **COMMUNICATIONS IN MATHEMATICAL PHYSICS 91**, (1983), 81-85.

231. Szpak, N., Schuetzhold, R., Optical lattice quantum simulator for quantum electrodynamics in strong external fields: spontaneous pair creation and the Sauter-Schwinger effect, **NEW JOURNAL OF PHYSICS 14** (2012), Article number 035001; FI=4.177
*Citeaza*: G. Nenciu, *EXISTENCE OF THE SPONTANEOUS PAIR CREATION IN THE EXTERNAL-FIELD APPROXIMATION OF QED*, **COMMUNICATIONS IN MATHEMATICAL PHYSICS 109**, (1987), 303-312.

232. Avron, J. E., Fraas, M., Graf, G. M., Grech, P., Adiabatic Theorems for Generators of Contracting Evolutions **COMMUNICATIONS IN MATHEMATICAL PHYSICS 314**, (2012), 163-191; FI=1.941
*Citeaza*: G. Nenciu, *LINEAR ADIABATIC THEORY - EXPONENTIAL ESTIMATES*, **COMMUNICATIONS IN MATHEMATICAL PHYSICS 152**, (1993), 479-496.

233. Cornean, Horia D., Duclos, P., Purice, R., Adiabatic Non-Equilibrium Steady States in the Partition Free Approach, **ANNALES HENRI POINCARE 13**, (2012), 827-856; FI=1.211
*Citeaza*: G. Nenciu, *LINEAR ADIABATIC THEORY - EXPONENTIAL ESTIMATES*, **COMMUNICATIONS IN MATHEMATICAL PHYSICS 152**, (1993), 479-496.

234. Cao, Z., Elgart, A., On the efficiency of Hamiltonian-based quantum computation for low-rank matrices, **JOURNAL OF MATHEMATICAL PHYSICS 53 Issue 3** (2012), Article number 032201; FI=1.291
*Citeaza*: G. Nenciu, *LINEAR ADIABATIC THEORY - EXPONENTIAL ESTIMATES*, **COMMUNICATIONS IN MATHEMATICAL PHYSICS 152**, (1993), 479-496.

235. Fang, D., Zhang, Q., On Growth of Sobolev Norms in Linear Schrodinger Equations with Time Dependent Gevrey Potential, **JOURNAL OF DYNAMICS AND DIFFERENTIAL EQUATIONS 24 Issue 2**,(2012), 151-170; FI=0.733
*Citeaza*: G. Nenciu, *Adiabatic theory: stability of systems with increasing gaps*, **ANNALES DE L INSTITUT HENRI POINCARE-PHYSIQUE THEORIQUE 67** (1997), 411-424.

236. Fang, D., Zhang, Q., On growth of Sobolev norms in time dependent linear Schrodinger equations on sphere, **JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS 380**,(2012), 165-180; FI=1.001
*Citeaza*: G. Nenciu, *Adiabatic theory: stability of systems with increasing gaps*, **ANNALES DE L INSTITUT HENRI POINCARE-PHYSIQUE THEORIQUE 67** (1997), 411-424.

237. Bowler, D. R., Miyazaki, T., O(N) methods in electronic structure calculations, **REPORTS ON PROGRESS IN PHYSICS 75, Issue 3** (2012), Article number 036503: FI=14.72
*Citeaza*: Alexandrina Nenciu, G. Nenciu, *EXISTENCE OF EXPONENTIALLY LOCALIZED WANNIER FUNCTIONS FOR NONPERIODIC SYSTEMS*, **PHYSICAL REVIEW B 47** (1993), 10112-10115.

238. Jia, Xiaoyao, Nicoleau, Francois, Wang, Xue Ping, A New Levinson's Theorem for Potentials with Critical Decay **ANNALES HENRI POINCARE 13** (2012), 41-84; FI=1.211
*Citeaza*: Jensen, Arne; Nenciu, Gheorghe *A unified approach to resolvent expansions at thresholds.* **Rev. Math. Phys. 13 (2001), no. 6**, 717–754.

239. Baumgartner, Bernhard, Narnhofer, Heide, THE STRUCTURES OF STATE SPACE CONCERNING QUANTUM DYNAMICAL SEMIGROUPS, **REVIEWS IN MATHEMATICAL PHYSICS 24 Issue 2**, (2012), Article Number 1250001; FI=1.213
*Citeaza*: Dinu, V., Jensen, A., Nenciu, G., *Perturbation of near threshold eigenvalues; cross-over frpm exponential to non-exponential decay laws*, **REVIEWS IN MATHEMATICAL PHYSICS 23** (2011), 83-125

240. Nacbar, Denis R., Bruno-Alfonso, A., Analytical optimization of spread and change of exponential decay of generalized Wannier functions in one dimension, **PHYSICAL REVIEW B 85, Issue 19** (2012), Article number 195127; FI=3.691

*Citeaza*: Cornean, H. D. ; Nenciu, A. ; Nenciu, G., *Optimally localized Wannier functions for quasi one-dimensional nonperiodic insulators*,**JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL 41 Issue 12**, (2008), Article Number 125202

241. Cornean, Horia D, Duclos, Pierre, Purice, Radu, Adiabatic Non-Equilibrium Steady States in the Partition Free Approach, **ANNALES HENRI POINCARE 13**,(2012), 827-856; FI=1.211
*Citeaza*:Cornean, H. D. ; Duclos, P. ; Nenciu, G. ; Purice, R. *Adiabatically switched-on electrical bias and the Landauer-Buttiker formula*, **JOURNAL OF MATHEMATICAL PHYSICS 49 Issue 10** , (2008), Article Number 102106

242. Savoie, B. On the zero-field orbital magnetic susceptibility of Bloch electrons in graphene-like solids: Some rigorous results, **JOURNAL OF MATHEMATICAL PHYSICS 53, Issue 7**, (2012), Article number 073302; FI=1.291
*Citeaza*: Cornean, Horia D. ; Nenciu, Gheorghe, *Faraday effect revisited: Thermodynamic limit*, **JOURNAL OF FUNCTIONAL ANALYSIS 257**, (2009), 2024-2066.

243. Briet, Philippe, Cornean, Horia D., Savoie, Baptist, A Rigorous Proof of the Landau-Peierls Formula and much more, **ANNALES HENRI POINCARE 13** (2012), 1-40; FI=1.211
*Citeaza*: Cornean, Horia D. ; Nenciu, Gheorghe, *Faraday effect revisited: Thermodynamic limit*, **JOURNAL OF FUNCTIONAL ANALYSIS 257**, (2009), 2024-2066.

244. Ammann, B., Carvalho, C., Nistor, V., Regularity for Eigenfunctions of Schrodinger Operators, **LETTERS IN MATHEMATICAL PHYSICS 101** (2012), 49-84; FI=1.819
*Citeaza*: Cornean, Horia D. ; Nenciu, Gheorghe, *On eigenfunction decay for two dimensional magnetic Schrodinger operators*,**COMMUNICATIONS IN MATHEMATICAL 192** (1998), 671-685.

245. Cornean, Horia D., Duclos, P., Purice, R., Adiabatic Non-Equilibrium Steady States in the Partition Free Approach, **ANNALES HENRI POINCARE 13**, (2012), 827-856; FI=1.211
*Citeaza*: Cornean, Horia D. ; Nenciu, Gheorghe, *On eigenfunction decay for two dimensional magnetic Schrodinger operators*,**COMMUNICATIONS IN MATHEMATICAL 192** (1998), 671-685.

246. Savoie, B. On the zero-field orbital magnetic susceptibility of Bloch electrons in graphene-like solids: Some rigorous results, **JOURNAL OF MATHEMATICAL PHYSICS 53, Issue 7**, (2012), Article number 073302; FI=1.291
*Citeaza*: Cornean, Horia D. ; Nenciu, Gheorghe, *Faraday effect revisited: sum rules and convergence issues*,**JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL 43 , Issue 47** (2010), Article Number 474012

247. Briet, Philippe, Cornean, Horia D., Savoie, Baptist, A Rigorous Proof of the Landau-Peierls Formula and much more, **ANNALES HENRI POINCARE 13** (2012), 1-40; FI=1.211
*Citeaza*: Cornean, Horia D. ; Nenciu, Gheorghe, *Faraday effect revisited: sum rules and convergence issues*,**JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL 43 , Issue 47** (2010), Article Number 474012

248. Jorgensen, Palle; Pedersen Steen; Tian, Feng, Translation representations and scattering by two intervals, **JOURNAL OF MATHEMATICAL PHYSICS 53, Issue 5** (2012), Article Number 053505; FI=1.291
*Citeaza*: Bentosela, F ; Duclos, P ; Moldoveanu, V , G. Nenciu, *The dynamics of one-dimensional Bloch electrons in constant electric fields*, **JOURNAL OF MATHEMATICAL PHYSICS 46 Issue 4** (2005), Article Number 043505.

249. Savoie, B. On the zero-field orbital magnetic susceptibility of Bloch electrons in graphene-like solids: Some rigorous results, **JOURNAL OF MATHEMATICAL PHYSICS 53, Issue 7**, (2012), Article number 073302; FI=1.291
*Citeaza*:N. Angelescu, M.Bumdaru, G. Nenciu, *Landau magnetism*, **Commun. Math. Phys. 42** (1975),9-28.

250. Tursunmahatov,Q.I. Yarmukhamedov, R, Determination of the $He_3 + \alpha \rightarrow Be_7$ asymptotic normalization...,**Phys. Rev.C 85, Issue 4**, (2012), Article Number:045807; FI=3.308
*Citeaza*: S. Ciulli, G. Nenciu, *Weighted dispersion relations and cut-to-cut extrapolations*, **Commun. Math.Phys. 26** (1972), 237-240.

251. Vuletescu V., Examples of coherent sheaves with no resolution by locally free sheaves in dimension 3, **Comptes Rendus Math. 350 (7-8)** (2012), 411 – 412; FI=0,384
*Citeaza*: Brinzanescu, V, *Neron-Severi group for nonalgebraic elliptic surfaces. 1. Elliptic bundle case*, **Manuscripta Mathematica 79 (2)** (1993), pag. 187 – 195

252. Chen, Qun, Zhou, Wubin, Bochner-type formulas for transversally harmonic maps, **Internat. J. Math. 23 (3)** (2012), – ; FI=0,397
*Citeaza*: Brinzanescu, V., Slobodeanu, R., *Holomorphicity and the Walczak formula on Sasakian manifolds*, **J. Geom. Phys. 57 (1)** (2006), pag. 193 – 207

253. Gwenael Massuyeau, Infinitesimal Morita homomorphisms and the tree-level of the LMO invariant, **Bull. Soc. Math. France 140**, no. 1 (2012), 101 – 161; FI= 0,533
*Citeaza*: D. Cheptea, K. Habiro, G. Massuyeau, *A functorial LMO invariant for Lagrangian cobordisms*, **Geom. Topol. 12**, no. 2 (2008), 1091 - 1170

254. Takuya Sakasai, Lagrangian mapping class groups from a group homological point of view, **Algebraic & Geometric Topology 12**, no. 1 (2012), 267 - 291; FI=0,558
*Citeaza*: D. Cheptea, T. T. Q. Le, *A TQFT associated to the LMO invariant of three-dimensional manifolds*, **Comm. Math. Phys. 272**, no. 3 (2007), 601 – 634

255. Takuya Sakasai, Lagrangian mapping class groups from a group homological point of view, **Algebraic & Geometric Topology 12**, no. 1 (2012), 267 - 291; FI=0,558
*Citeaza*: D. Cheptea, K. Habiro, G. Massuyeau, *A functorial LMO invariant for Lagrangian cobordisms*, **Geom. Topol. 12**, no. 2 (2008), 1091 – 1170

256. K. Pal, *Multiple valued difference fields*, **J. Symb. Logic 77** (2012), no. 2, 545 – 579;FI=0.562
*Citează*: Ş.A. Basarab, F.-V. Kuhlmann, *An isomorphism theorem for henselian algebraic extensions of valued fields*, **manuscripta math. 77** (1992), 113 – 126

257. T Klimsiak, Reflected BSDEs and obstacle problem for semilinear PDEs in divergence form, **Stochastic Processes and their Applications 122** (2012) pag. 134–169

Citează: V Bally, E Pardoux, L Stoica, *Backward stochastic differential equations associated to a symmetric Markov process*, **Potential Analysis 22** (2005), pag.17-60

258. P Imkeller, A Reveillac, A Richter, Differentiability of quadratic BSDEs generated by continuous martingales, **The Annals of Applied Probability 22** (2012), pag. 285-336
Citează: V Bally, E Pardoux, L Stoica, *Backward stochastic differential equations associated to a symmetric Markov process,* **Potential Analysis 22** (2005), pag.17-60

259. J van Neerven, M Veraar, L Weis, Maximal L^p-Regularity for Stochastic Evolution Equations, SIAM Journal on Mathematical Analysis 44 (2012) pag. 1372–1414
Citează: L Denis, L Stoica, *A general analytical result for non-linear spde's and applications*, **Elec. J. of Probability 9** (2004), pag. 674-709

260. T Klimsiak, Reflected BSDEs and obstacle problem for semilinear PDEs in divergence form, **Stochastic Processes and their Applications 122** (2012) pag. 134–169
Citează: A Matoussi, L Stoica, *The obstacle problem for quasilinear stochastic PDE's,* **The Annals of Probability 38** (2010), pag. 1143-1179

261. M Longo, V Rotger, S Vigni, *Special values of-functions and the arithmetic of Darmon points.* **J Reine Angew Math** (2012) Published online (DOI: 10.1515/crelle-2011-0005); FI=1.042
*Citeaza*: A. A. Popa,*Whittaker newforms for Archimedean representations*, **J. Number Theory 128** (2008), pag. 1637–1645

262. K. Bringmann, P. Guerzhoy, Z. Kent, K. Ono, *Eichler-Shimura theory for mock modular forms*, **Math. Ann.**, in curs de aparitie, DOI 10.1007/s00208-012-0816-y, (2012); FI=1.297
*Citeaza*: A. A. Popa, *Rational decomposition of modular forms.* **Ramanujan Journal** (2011), 419–435

263. Xue, H.,*The derivative of an incoherent Eisenstein series.* **Trans. Amer. Math. Soc.** (2012), 3311–3327; FI=1.093
*Citeaza*: A. A. Popa, *Central values of Rankin L-series over real quadratic fields,* **Comp. Math. 142** (2006), 811–866.

264. R Masri, *The asymptotic distribution of traces of cycle integrals of the j-function*, **Duke Math. J.** (2012),1971–2000; FI=1.537
*Citeaza*: A. A. Popa, *Central values of Rankin L-series over real quadratic fields,* **Comp. Math. 142** (2006), 811–866.

265. E. Rohan, R. Cimrman , Multiscale FE simulation of diffusion-deformation processes in homogenized dual-porous media, **Mathematics and Computers in Simulation 82** (2012), 1744 – 1772; FI=0.738
*Citeaza*: H. I. Ene, Dan Poliševski, *Model of diffusion in partially fissured media*, **J. Appl. Math. Phys. (ZAMP) 53** (2002), pag. 1052 – 1059

266. I. Pažanin, Investigation of micropolar fluid flow in a helical pipe via asymptotic analysis, **Communications in Nonlinear Science and Numerical Simulation, in Press** (2012); FI = 2.806
*Citeaza*: D. Dupuy, G. P. Panasenko, R. Stavre, *Asymptotic methods for micropolar fluids*

*in a tube structure*, **Mathematical Models and Methods in Applied Sciences 14** (2004), pag. 735 – 758.

267. G. Panasenko, K. Pileckas, Asymptotic analysis of the nonsteady viscous flow with a given flow rate in a thin pipe, **Applicable Analysis, 91** (2012), pag. 559 – 574; FI = 0.744
*Citeaza*: G.P. Panasenko, R. Stavre, *Well posedness and asymptotic expansion of solution of Stokes equation set in a thin cylindrical elastic tube*, **Around the Research of Vladimir Maz'ya II/International Mathematical Series, Volume 12**, editor: Ari Laptev, Springer (2010), pag. 275 – 301 ISBN: 978-1-4419-1342-5.

268. N. Auffray, M. Bonnet, S. Pagano, Identification of transient heat sources using the reciprocity gap, **Inverse Problems in Science and Engineering** (2012), ;FI=0,622
*Citează*: A. Capatina, R. Stavre, *Algorithms and convergence results for an inverse problem in heat propagation*, **Int. J. Engng. Sci. 38** (2000), pag. 575-587

269. L. Badea, R. Krause, One and two-level Schwarz methods for variational inequalities of second kind and their application to frictional contact, **Numerische Mathematik 120** (2012), 573-599; FI=0,692
*Citează*: A. Radoslovescu Capatina, M. Cocu, *Internal approximation of quasi-variational inequalities*, **Numer. Math. 59** (1991), pag. 385-398

270. S. Burciu, On coideal subalgebras of cocentral Kac algebras and a generalization of Wall's conjecture, **J. Algebra va aparea (arXiv:1203.5491)** (2012), ... –...; FI=0.613
*Citeaza*: S. Burciu, *Kernels of representations and coideal subalgebras of Hopf algebras*, **Glasgow Math. J. 54** (2012), pag. 107–119

271. A. L. Agore, Crossed product of Hopf algebras, **Comm Algebra, to appear arXiv:1203.2454** (2012), 1–23; FI=0.347
*Citeaza*: S. Burciu, *On complements and the factorization problem for Hopf algebras*, **Central European Journal of Mathematics 9** (2011), pag. 905– 914

272. Y. Lee, N. Nakayama, *Simply connected surfaces of general type in positive characteristic via deformation theory*, *Proceedings of London Mathematical Society*, online August 2012
*Citeaza*: Răsdeaconu Rareş, Şuvaina Ioana, *Smooth structures and Einstein metrics on* $\mathbb{CP}^2 \# 5, 6, 7\overline{\mathbb{CP}}^2$, **Math. Proc. Cambridge Philos. Soc. 147,** (2009), no. 2, 409–417.

273. P. Daripa, A brief review of some application driven fast algorithms for elliptic partial differential equations, **Centr. Eur. J. Math., vol. 10**, no. 1, 2012, pp. 204-216, FI= 0.440
*Citeaza*: L. Badea and P. Daripa, On a Fourier method of embedding domains using an optimal distributed control, **Numerical Algorithms, 32**, 2003, pag. 261-273.

274. P. Daripa, A brief review of some application driven fast algorithms for elliptic partial differential equations, **Centr. Eur. J. Math., vol. 10**, no. 1, 2012, pp. 204-216, FI= 0.440
*Citeaza*: L. Badea and P. Daripa, A fast algorithm for two-dimensional elliptic problems, **Numer. Algorithms, 30**, 3-4, 2002, pag.199–239.

275. P. Daripa, A brief review of some application driven fast algorithms for elliptic partial differential equations, **Centr. Eur. J. Math., vol. 10**, no. 1, 2012, pp. 204-216, FI= 0.440
*Citeaza*: L. Badea and P. Daripa, A domain embedding method using the optimal distributed control and a fast algorithm, **Numerical Algorithms, 36**, 2004, pag. 95-112.

276. M. Chau, R. Couturier, J. Bahi and P. Spiteri, Asynchronous grid computation for American options derivatives, **Advances in Engineering Software**, http://dx.doi.org/10.1016/j.advengsoft.2012.06.005, Available online 25 July 2012, FI= 1.092
*Citeaza:* L. Badea and J. Wang, An Additive Schwarz method for variational inequalities, **Math. of Comp., 69,** 232, 2000, pp. 1341-1354.

277. P. Daripa, A brief review of some application driven fast algorithms for elliptic partial differential equations, **Centr. Eur. J. Math., vol. 10**, no. 1, 2012, pp. 204-216, FI= 0.440
*Citeaza:* L. Badea and P. Daripa, On a boundary control approach to embed- ding domain method, **SIAM J. on Control and Optimization, Vol. 40**, No. 2, 2001, pp. 421-449.

278. Kh. Bouamama, P. Djemia, D. Faurie and G. Abadias, Structural and elastic properties of single-crystal and polycrystalline Ti1-xZrxN alloys: A computational study, **Journal of Alloys and Compounds, Vol. 536**, Supp. 1, 2012, pp. S138-S142, FI= 2.289
*Citeaza:* R. Brenner, O. Castelnau and L. Badea, Mechanical field fluctuations in polycrystals estimated by homogenization techniques, **Proc. R. Soc. Lond. A, 460**, 2004, pp. 3589-3612, published on-line September 14, 2004.

279. A. Rekik, M. Bornert and F. Auslenderb, A critical evaluation of local field statistics predicted by various linearization schemes in nonlinear mean-field homogenization, **Mechanics of Materials**, 54, 2012, pp. 1-17, FI= 1.769
*Citeaza:* R. Brenner, O. Castelnau and L. Badea, Mechanical field fluctuations in polycrystals estimated by homogenization techniques, **Proc. R. Soc. Lond. A, 460**, 2004, pp. 3589-3612, published on-line September 14, 2004.

280. A. Ducellier and H. Aochi, Interactions between topographic irregularities and seismic ground motion investigated using a hybrid FD-FE method, **Bulletin of Earthquake Engineering, Vol. 10**, No. 3, 2012, pp. 773-792, DOI: 10.1007/s10518- 011-9335-6, FI= 1.559
*Citeaza:* L. Badea, I. R. Ionescu and S. Wolf, Schwarz method for earthquake source dynamics, **Journal of Computational Physics, 8, 2008**, pp. 3824-3848

281. A. Cesmelioglu and B. Rivi'ere, Existence of a weak solution for the fully coupled Navier-Stokes/Darcy-transport problem, **J. Differential Equations, 252**, no. 7, 2012, pp. 4138-4175, FI= 1.277
*Citeaza:* L. Badea, M. Discacciati and A. Quarteroni, Mathematical analysis of the Navier-Stokes/Darcy coupling, **Numer. Math., 115**, 2, pp. 195-227, 2010

282. F. El Chami, G. Mansour and T. Sayah, Error studies of the Coupling Darcy- Stokes System with velocity-pressure formulation, **Calcolo, Vol. 49**, No. 2, 2012, pp. 73-93, DOI: 10.1007/s10092-011-0046-9, FI= 0.808

*Citeaza:* L. Badea, M. Discacciati and A. Quarteroni, Mathematical analysis of the Navier-Stokes/Darcy coupling, **Numer. Math., 115**, 2, pp. 195-227, 2010.

283. W. Feng, X. He, Z. Wang and X. Zhang, Non-iterative domain decomposition methods for a non-stationary StokesDarcy model with BeaversJoseph interface condition, **Applied Mathematics and Computation, 219**, 2, 2012, pp. 453-463, FI= 1.317
*Citeaza:* L. Badea, M. Discacciati and A. Quarteroni, Mathematical analysis of the Navier-Stokes/Darcy coupling, **Numer. Math., 115**, 2, pp. 195-227, 2010.

284. M. Moraiti, On the quasistatic approximation in the StokesDarcy model of groundwater-surface water flows, **Journal of Mathematical Analysis and Applications, 394**, 2, 2012, pp. 796-808, FI= 1.001
*Citeaza:* L. Badea, M. Discacciati and A. Quarteroni, Mathematical analysis of the Navier-Stokes/Darcy coupling, **Numer. Math., 115**, 2, pp. 195-227, 2010.

285. P. Daripa and X. Ding, A numerical study of instability control for the design of an optimal policy of enhanced oil recovery by thertiary displacement process, **Transport in Prorous Media, 93(3)** (2012), pag. 675-703, FI=0.54
*Citeaza:*P. Daripa and G. Paşa, *A simple derivation of an upper bound in the presence of a viscosity gradient in there-layer Hele-Shaw flows*, **J. Stat. Mech. publ. 30 Jan. 2006** (2006), pag. 11 pages,

286. P. Daripa, On stability of Multiphase Hele-Shaw and Porous Media flows in the presence of gravity, **Transport in Porous Media 95(2)** (2012), pag. 349-371, FI= 0.54
*Citeaza:*P. Daripa and G. Paşa, *A simple derivation of an upper bound in the presence of a viscosity gradient in there-layer Hele-Shaw flows*, **J. Stat. Mech. publ. 30 Jan. 2006** (2006), pag. 11 pages,

287. P. Daripa, Some useful upper bounds for the selection of optimal profiles, **Physica A: Statistical Mechanics and its Applications, 391(16)** (15 August 2012), pag.4065-4069, FI=0.54
*Citeaza:*P. Daripa and G. Paşa, *A simple derivation of an upper bound in the presence of a viscosity gradient in there-layer Hele-Shaw flows*, **J. Stat. Mech. publ. 30 Jan. 2006** (2006), pag. 11 pages,

288. U. Olac and M. Miradoglu, Effects of surfactants in Liquid Film Thickness in the Bretyherton Problem, **Int. Journal of Multiphase Flow 48 (2)** (2013), pag. 58-70, FI = 1.08
*Citeaza*: P. Daripa and G. Pasa, *The thickening effect of interfacial surfactant in the drag-out problem*, **J. Stat. Mech., publ. 2 Jul. 2009** (2009), pag. 11 pages

289. Al-Smail, J. H. and Novruzi A, Schape optimization of the hydrogen fuel cell cathode-air channels, **J. Math. Anal. Appl. 389 (1)** (2012), pag.293-313, FI= 1.57
*Citeaza*: A. Capatina, H. Ene. G. Pasa, D. Polisevski, R. Stavre, *Variational approach and optimal control of a PEM fuel cell*, **Nonlinear Analysis, 74(10)** (2011), pag. 3242-3260

290. R. Luo and L. Wang , Liquid velocity distribution in slug flow in a microchannel , **Microfluidics and Nanofluidics 12 (1-4)** (2012), pag. 581-590; FI= 2.07

*Citeaza*:P. Daripa and G. Pasa, *he effect of surfactant on the long bubbles in capillary tubes*, **J. Stat. Mech., publ. 10 Febr. 2011,** (2011), pag. 14 pages

291. U. Olac and M. Miradoglu, Effects of surfactants in Liquid Film Thickness in the Bretherton Problem, **Int. Journal of Multiphase Flow 48** (January 2013), pag. 58-70; FI=1.58
*Citeaza*:P. Daripa and G. Pasa, *he effect of surfactant on the long bubbles in capillary tubes*, **J. Stat. Mech., publ. 10 Febr. 2011,** (2011), pag. 14 pages

292. P. Daripa, X. Ding, A numerical study of instability control for the design of an optimal policy of enhanced oil recovery by tertiary displacement processes, **Transport in Porous Media 93(3)** (2012), pag.675-703 , FI = 0.54
*Citeaza*: P. Daripa and G. Pasa, *On the growth rate for three layer Hele-Shaw flows; variable and constant viscosity cases*, **J. Engng. Sci., 43(11-12)** (2005), pag. 877-88

293. P. Daripa, On Stabilization of Multi-Layer Hele-Shaw and Porous Media Flows in the Presence of Gravity, **Transport in Porous Media Volume 95(2)** (2012), pag. 349-371, FI = 0.54
*Citeaza*: P. Daripa and G. Pasa, *On the growth rate for three layer Hele-Shaw flows; variable and constant viscosity cases*, **J. Engng. Sci., 43(11-12)** (2005), pag. 877-88

294. P. Daripa,On Stabilization of Multi-Layer Hele-Shaw and Porous Media Flows in the Presence of Gravity, **Transport in Porous Media Volume 95, Number 2** (2012), pag. 349-371, FI = 0. 54
*Citeaza*:P. Daripa and G. Pasa, *New bounds for stabilizing Hele-Shaw flow,*, **Appl. Math. Lett, 18(11)** (2005), pag. 1293-1303

295. P. Daripa, X. Ding, A numerical study of instability control for the design of an optimal policy of enhanced oil recovery by tertiary displacement processes, **Transport in Porous Media 93(3)** (2012), pag. 675-703, FI =0.54
*Citeaza*: P. Daripa and G. Pasa, *New bounds for stabilizing Hele-Shaw flow,*, **Appl. Math. Lett, 18(11)** (205), pag. 1293-1303

296. C. van Coevering, Kaehler-Einstein metrics on strictly pseudoconvex domains, **Annals of Global Analysis and Geometry 42** (2012), 287–316. FI=0,714
*Citeaza*: Liviu Ornea, M. Verbitsky: *Embeddings of compact Sasakian manifolds*, **Mathematical Research Letters, 14** (2007), 703–710.

297. Fereshteh Malek and Mohammad Bagher Kazemi Balgeshir, Slant Submanifolds of Almost Contact Metric 3-Structure Manifolds, **Mediterranean Journal of Mathematics** 2012, DOI: 10.1007/s00009-012-0222-4 FI=0,463
*Citeaza*: S. Ianuş, G.E. Vîlcu, Liviu Ornea: *Submanifolds in manifolds with metric mixed 3-structures*, **Mediterranean Journal of Mathematics 9** (2012), 105–128.

298. Coman, Dan; Guedj,Vincent; Zeriahi, Ahmed; Extension of plurisubharmonic functions with growth control, **Journal für die reine und angewandte Mathematik** (2012) DOI 10.1515/CRELLE.2011.185 FI=1,042
*Citeaza*: Liviu Ornea, M. Verbitsky: *Embeddings of compact Sasakian manifolds*, **Mathematical Research Letters, 14** (2007), 703–710.

299. Derdzinski, Andrzej, Two-jets of conformal fields along their zero sets, **CENTRAL EUROPEAN JOURNAL OF MATHEMATICS Volume: 10 Issue: 5** (2012), pag. 1698–1709. FI=0,440
*Citeaza*: F.A. Belgu, A. Moroianu, Liviu Ornea, *Essential points of conformal vector fields*, **Journal of Geometry and Physics 61** (2011), pag. 589–593.

300. Frances, Charles, Local dynamics of conformal vector fields , **GEOMETRIAE DEDICATA Volume: 158 Issue: 1** (2012) pag. 35–59. FI=0,364
*Citeaza*: F.A. Belgu, A. Moroianu, Liviu Ornea, *Essential points of conformal vector fields*, **Journal of Geometry and Physics 61** (2011), pag. 589–593.

301. Brozos-Vazquez, M; Garcia-Rio, E; Gilkey, P; Hervella, Geometric realizability of covariant derivative Kahler tensors for almost pseudo-Hermitian and almost para-Hermitian manifolds **ANNALI DI MATEMATICA PURA ED APPLICATA Volume: 191 Issue: 3**, (2012) pag. 487–502. FI=0,838
*Citeaza*: A, Moroianu, Liviu Ornea, *Conformally Einstein products and nearly Kahler manifolds* **ANNALS OF GLOBAL ANALYSIS AND GEOMETRY Volume: 33 Issue: 1** (2008), pag. 11–18.

302. Vilcu, Gabriel Eduard, Ruled CR-submanifolds of locally conformal Kahler manifolds, **JOURNAL OF GEOMETRY AND PHYSICS Volume: 62 Issue: 6** (2012) pag. 1366-1372. FI=0,818
*Citează*: S. Dragomir, Liviu Ornea, *Locally conformal Kaehler geometry* **Birhauser** (1998).

303. Vilcu, Gabriel Eduard, Ruled CR-submanifolds of locally conformal Kahler manifolds, **JOURNAL OF GEOMETRY AND PHYSICS Volume: 62 Issue: 6** (2012) pag. 1366-1372. FI=0,818
*Citează*: Liviu Ornea *On CR submanifolds of locally conformal Kaehler manifolds* **Demonstratio Math Volume: 19 Issue: 4** (1986) pag. 863–869.

304. Slesar, Vladimir, : On the Dirac spectrum of Riemannian foliations admitting a basic parallel 1-form **JOURNAL OF GEOMETRY AND PHYSICS Volume: 62 Issue: 4** (2012) pag. 804–812. FI=0,818
*Citează*: A. Moroianu, Liviu Ornea *Eigenvalue estimates for the Dirac operator and harmonic 1-forms of constant length* **COMPTES RENDUS MATHEMATIQUE Volume: 338 Issue: 7** (2004), 561–564.

305. Lampe, M., On the isotropy subalgebras of Lie algebras of conformal vector fields, **JOURNAL OF GEOMETRY AND PHYSICS Volume: 62 Issue: 3** (2012) 646–656. FI=0,818
*Citeaza*: F.A. Belgun, A. Moroianu, Liviu Ornea, *Essential points of conformal vector fields*, **Journal of Geometry and Physics 61** (2011), pag. 589–593.

306. Di Terlizzi, Luigia; Verroca, Francesca; Wolak, Robert A, Semi-invariant submanifolds of K-manifolds **PUBLICATIONES MATHEMATICAE-DEBRECEN Volume: 80 Issue: 1-2** (2012) 89–106. FI=0,358
*Citeaza*: Liviu Ornea *Subvarietati Cauchy-Riemann generice in S-varietati*, **Stud. Cerc. Mat. Volume: 36 Issue: 5** (1984), 435–443.

307. Parton, Maurizio; Vuletescu, Victor, Examples of non-trivial rank in locally conformal Kahler geometry, **MATHEMATISCHE ZEITSCHRIFT Volume: 270 Issue: 1-2** (2012) 179–187. 0,749
*Citeaza*: R. Gini, Liviu Ornea, M. Parton, P. Piccinni, *Reduction of Vaisman structures in complex and quaternionic geometry* **JOURNAL OF GEOMETRY AND PHYSICS Volume: 56 Issue: 12** (2006) 2501–2522.

308. Parton, Maurizio; Vuletescu, Victor, Examples of non-trivial rank in locally conformal Kahler geometry, **MATHEMATISCHE ZEITSCHRIFT Volume: 270 Issue: 1-2** (2012) 179–187. 0,749
*Citeaza*: R. Gini, Liviu Ornea, M. Parton, *Locally conformally Kaehler reduction*, **J. Reine Angew. Math. Volume: 581** (2005), 1–21.

309. Parton, Maurizio; Vuletescu, Victor, Examples of non-trivial rank in locally conformal Kahler geometry, **MATHEMATISCHE ZEITSCHRIFT Volume: 270 Issue: 1-2** (2012) 179–187. 0,749
*Citeaza*: Liviu Ornea, M. Verbitsky, *Morse-Novikov cohomology of locally conformally Kahler manifolds* **JOURNAL OF GEOMETRY AND PHYSICS Volume: 59 Issue: 3** (2009), 295–305.

310. Parton, Maurizio; Vuletescu, Victor, Examples of non-trivial rank in locally conformal Kahler geometry, **MATHEMATISCHE ZEITSCHRIFT Volume: 270 Issue: 1-2** (2012) 179–187. 0,749
*Citeaza*: Liviu Ornea, M. Verbitsky, *Locally conformal Kahler manifolds with potential*, **MATHEMATISCHE ANNALEN Volume: 348 Issue: 1** (2010), 25–33.

311. Kornev, E. S. INVARIANT AFFINOR METRIC STRUCTURES ON LIE GROUPS, **SIBERIAN MATHEMATICAL JOURNAL Volume: 53 Issue: 1** (2012) 87–99. FI=0,365
*Citeaza*: S. Dragomir, Liviu Ornea, *Locally conformal Kaehler geometry* **Birhauser** (1998).

312. C. Peligrad, L. Zsido, Msximal subalgebras of C*-algebras associated with periodic flows, **J. Funct. Analysis 262** (2012), pag. 3626–3637 ; FI= 1.082
*Citeaza*: B. Prunaru: *Toeplitz and Hankel operators associated with subdiagonal algebras*, **Proc. Amer. Math. Soc. 139** (2011), pag. 1387–1396;

313. B. Magajna, Fixed points of normal completely positive maps on B(H), **J. Math. Analysis and Appl. 389** (2012), pag. 1291–1302 ; FI= 1.001
*Citeaza*: B. Prunaru, *Toeplitz operators associated to commuting row contractions*, **J. Functional Analysis 254** (2008), pag. 1626–1641

314. B. Magajna, Fixed points of normal completely positive maps on B(H), **J. Math. Analysis and Appl. 389** (2012), pag. 1291–1302 ; FI= 1.001
*Citeaza*: B. Prunaru: *Fixed points for Luders operations and commutators*, **Journal of Physics A: Mathematical and Theoretical 44** (2011), pag. 185203.

315. J. Kim, On invariant subspaces of operators in the class $\theta$, **Journal of Mathematical Analysis and Applications 396** (2012) 562–568, FI=1.001

*Citeaza*: J. Eschmeier, B. Prunaru, *Invariant subspaces for operators with Bishop's property ($\beta$) and thick spectrum*, **J. Functional Analysis, 94** (1990), 196-222.

316. Jean-Francois Bertazzon: Resolution of an integral equation with the Thue-Morse sequence, **Indagationes Mathematicae 23** (2012), pag. 327 – 336; IF = 0.355.
*Citeaza*: Mihai Prunescu *The Thue-Morse-Pascal double sequence and similar structures*, **C. R. Math. Acad. Sci. Paris 349** (2011), pag. 939 – 942

317. Damjanovic, D, Katok, A, Local Rigidity of Partially Hyperbolic Actions. II: The Geometric Method and Restrictions of Weyl Chamber Flows on SL(n, R)/Gamma, **INTERNATIONAL MATHEMATICS RESEARCH NOTICES 19** (¡anul¿), 4405 – 4430; FI=1.014
*Citeaza*: A. Katok, V. Nitica, *Rigidity of higher rank abelian cocycles with values in diffeomorphis groups*, **Geometriae Dedicata 124** (2007), pag. 109 – 131

318. Paternain, GP, Transparent Pairs, **JOURNAL OF GEOMETRIC ANALYSIS 22** (2012), 1211 – 1235; FI=0.761
*Citeaza*: V. Nitica, A. Torok, *Regularity of the transfer map for cohomologous cocycles*, **Ergodic Theory Dynamical Systems 18** (1998), pag. 1187–1209

319. Moss, A, Walkden, CP, Stable topological transitivity properties of $R^n$-extensions of hyperbolic transformations, **ERGODIC THEORY AND DYNAMICAL SYSTEMS 32** (2012), 1435 – 1443; FI=0.702
*Citeaza*: V. Nitica, M. Pollicott *Transitivity of Euclidean extensions of Anosov diffeomorphisms*, **ERGODIC THEORY AND DYNAMICAL SYSTEMS 29** (2009), pag. 1585 – 1602

320. Ilyashenko, Y, Negut, A, Holder properties of perturbed skew products and Fubini regained, **Holder properties of perturbed skew products and Fubini regained 25** (2012), 2377 – 2399; FI=1.386
*Citeaza*: V. Nitica, A. Torok *Cohomology of dynamical systems and rigidity of partially hyperbolic actions of higher rank lattices*, **Duke Mathematical Journal 79** (¡an¿), pag. 751 – 810

321. Hertz, FR, Hertz, MAR, Tahzibi, A, Ures, R, Maximizing measures for partially hyperbolic systems with compact center leaves, **ERGODIC THEORY AND DYNAMICAL SYSTEMS 32** (2012), 825 – 839; FI=0.702
*Citeaza*: V. Nitica, A. Torok, *AN open dense set of stably ergodic diffeomorphisms in a neighborhood of a non-ergodic one*, **Topology 40** (2001), pag. 259 – 278

322. Zhang, PF, PARTIALLY HYPERBOLIC SETS WITH POSITIVE MEASURE AND ACIP FOR PARTIALLY HYPERBOLIC SYSTEMS, **DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS 32** (2012), 1435 – 1447; FI=0.913
*Citeaza*: V. Nitica, A. Torok, *AN open dense set of stably ergodic diffeomorphisms in a neighborhood of a non-ergodic one*, **Topology 40** (2001), pag. 259 – 278

323. Giandomenico Boffi, Alessandro Logar, Computing Gröbner bases of pure binomial ideals via submodules of $Z^n$, **J. Symb. Computation 47** (2012), pag. 1297 – 1308; FI = 0.707.

*Citeaza*: W. Bruns, R. Hemmecke, B. Ichim, M Köppe, si C. Söger, *Challenging computations of Hilbert bases of cones associated with algebraic statistics.*, **Exp. Math. 20** (2011), pag. 25 – 33.

324. J. Martinez-Bernal, S. Morey, R. Villarreal, Associated primes of powers of edge ideals, **Collec. Math. 63** (2012), pag. 361 – 374; FI = 0.628.
*Citeaza*: Winfried Bruns, Bogdan Ichim, *Normaliz 2.0, Computing normalizations of affine semigrops*, Available from http://www.math.uos.de/normaliz.

325. A. Simis, R. Villarreal, Combinatorics of Cremona monomial maps, **Math. Comp. 81** (2012), pag. 1857 – 1867; FI = 1.313.
*Citeaza*: Winfried Bruns, Bogdan Ichim, *Normaliz 2.0, Computing normalizations of affine semigrops*, Available from http://www.math.uos.de/normaliz.

326. B. Costa, A. Simis, Cremona maps defined by monomials, **J. Pure and App. Alg. 216** (2012), pag. 202 – 215; FI = 0.567.
*Citeaza*: Winfried Bruns, Bogdan Ichim, *Normaliz 2.0, Computing normalizations of affine semigrops*, Available from http://www.math.uos.de/normaliz

327. Nathan Ilten, Lars Kastner, Calculating generators of multigraded algebras, **J. Symb. Computation** (2012), in press; FI = 0.707.
*Citeaza*: Winfried Bruns, Bogdan Ichim, *Normaliz: Algorithms for Affine Monoids and Rational Cones*, **Journal of Algebra 324** (2010), pag. 1098 – 1113.

328. Dang Hop Nguyen, Seminormality and local cohomology of toric face rings, **J. Alg. 371** (2012), pag. 536 – 553; FI = 0.613
*Citeaza*: Bogdan Ichim, Tim Römer, *On toric face rings*, **J. Pure and App. Alg. 210** (2007), pag. 249 – 266.

329. Mehmet Sahin: *Direct computation of the degree 4 Gopakumar-Vafa invariant on a Calabi-Yau 3-fold*, **Journal of Geometry and Physics 62** (2012), pag. 935 – 952; FI= 0.818
*Citeaza*: Mario Maican: *A few remarks concerning the geometry of the moduli spaces of semistable sheaves supported on plane curves of multiplicity four*, Preprint nepublicat pe care se bazeaza lucrarea: Jean-Marc Drézet, Mario Maican: *On the geometry of the moduli spaces of semi-stable sheaves supported on plane quartics*, **Geometriae Dedicata 152** (2011), pag. 17 – 49;

330. J.M. Reyes, A. Ruiz, Reconstruction of the singularities of a potential from backscattering data in 2D and 3D, **Inverse Problems and Imaging 6** (2012), pag. 321 - 355;FI=1.074
*Citează*: I. Beltiţă, A. Melin: *Local smoothing for the backscattering transform*, **Communications in Partial Differential Equations 34** (2009), 233–256.

331. J.M. Reyes, A. Ruiz, Reconstruction of the singularities of a potential from backscattering data in 2D and 3D, **Inverse Problems and Imaging 6** (2012), pag. 321 - 355;FI=1.074
*Citează*: I. Beltiţă, A. Melin: *Analysis of the quadratic term in the backscattering transformation*, **Mathematica Scandinavica 105** (2009), no. 2, 218–234.

332. Michele Bolognesi and Sonia Brivio, Coherent systems and modular subvarieties of $\mathcal{SU}_C(r)$, **International Journal of Mathematics vol. 23 no. 4** (2012), 23 pag. DOI:

10.1142/S0129167X12500371; FI= 0.397

*Citeaza*: Christian Anghel, *Fibres vectoriels semi-stables sur une courbe de genre deux et association des points dans l'espace projectif*, **Serdica Math. J 30 2-3** (2004), pag. 103–110.

333. I Coelho, C Corsato, F Obersnel, P. Omari, Positive solutions of the Dirichlet problem for the one-dimensional Minkowski-curvature equation, **Advanced Nonlin. Studies 12** (2012), 621–638; FI = 0.644
*Citeaza*: C. Bereanu, J. Mawhin: *Existence and multiplicity results for some nonlinear problems with singular $\phi$-Laplacian*, **J. Differential Equations 243** (2007), pag. 536–557

334. F. Obersnel, P. Omari, Existence, regularity and stability properties of periodic solutions of a capillarity equation in the presence of lower and upper solutions, **Nonlinear Analysis RWA 13** (2012), 2830–2852; FI = 2.043
*Citeaza*: C. Bereanu, J. Mawhin: *Boundary value problems with non-surjective Laplacian and one sided bounded nonlinearity*, **Adv Differential Eq. 11** (2006), pag. 35–60

335. F. Obersnel, P. Omari, Existence, regularity and stability properties of periodic solutions of a capillarity equation in the presence of lower and upper solutions, **Nonlinear Analysis RWA 13** (2012), 2830–2852; FI = 2.043
*Citeaza*: C. Bereanu, J. Mawhin: *Periodic solutions of nonlinear perturbations of $\phi$-Laplacians with possible bounded $\phi$*, **Nonlinear Analysis TMA 68** (2008), pag. 1668–1681

336. F. Obersnel, P. Omari, Existence, regularity and stability properties of periodic solutions of a capillarity equation in the presence of lower and upper solutions, **Nonlinear Analysis RWA 13** (2012), 2830–2852; FI = 2.043
*Citeaza*: C. Bereanu, P. Jebelean, J. Mawhin: *Periodic solutions of pendulum-like perturbations of singular and bounded $\phi$-Laplacians*, **J. Dyn. Diff. Equat. 22** (2010), pag.463–471

337. F. Obersnel, P. Omari, Existence, regularity and stability properties of periodic solutions of a capillarity equation in the presence of lower and upper solutions, **Nonlinear Analysis RWA 13** (2012), 2830–2852; FI = 2.043
*Citeaza*: C. Bereanu, J. Mawhin, *Multiple periodic solutions of ordinary differential equations with bounded nonlinearities and Laplacian*, **NoDEA Nonlin. Diff. Eq. Appl. 15** (2008), pag. 159–168

338. M. Cecchi, Z. Dosla, M. Marini, Regular and extremal solutions for difference equations with generalized Laplacian, **J. Difference Equations Appl. 18** (2012), 815–831; FI = 0.800
*Citeaza*: C. Bereanu, P. Jebelean, J. Mawhin: *Radial solutions for some nonlinear problems involving mean curvature operators in Euclidian and Minkowski spaces*, **Proc. Amer. Math. Soc. 137** (2009), pag. 171–178

339. H. Pan, R. Xing, Radial solutions for a prescribed mean curvature equation with exponential nonlinearity, **Nonlinear Analysis 75** (2012), 103–116; FI = 1.536
*Citeaza*: C. Bereanu, P. Jebelean, J. Mawhin: *Radial solutions for some nonlinear*

*problems involving mean curvature operators in Euclidian and Minkowski spaces*, **Proc. Amer. Math. Soc. 137** (2009), pag. 171–178

340. N.D. Brubaker, J.A. Pelesko, Analysis of a one-dimensional prescribed mean curvature equation with singular nonlinearity, **Nonlinear Analysis 75** (2012), 5086–5102; FI = 1.536
*Citeaza*: C. Bereanu, P. Jebelean, J. Mawhin: *Radial solutions for some nonlinear problems involving mean curvature operators in Euclidian and Minkowski spaces*, **Proc. Amer. Math. Soc. 137** (2009), pag. 171–178

341. P. Candito, G.M. Bisci, Existence of solutions for a nonlinear algebraic system with a parameter, **Appl. Math. Comput. 218** (2012), 11700–11707; FI = 1.317
*Citeaza*: C. Bereanu, J. Mawhin: *Existence and multiplicity results for nonlinear difference equations with Dirichlet boundary conditions*, **Math. Bohemica 131** (2006), pag. 145–160

342. Q. Zhou, S. Gong, The Existence and Uniqueness of Periodic Solutions for Some Nonlinear th-Order Differential Equations, **Abstr. Appl. Anal.**, Volume 2012, Article ID 909387, 17 pag.; FI = 1.318
*Citeaza*: C. Bereanu: *Periodic solutions of some fourth-order nonlinear differential equations*, **Nonlinear Analysis TMA 71** (2009), pag. 53–57

343. J. Fialho, F. Minhos, On higher order fully periodic boundary value problems, **J. Math. Anal. Appl. 395** (2012), 616–625; FI = 1.001
*Citeaza*: C. Bereanu: *Periodic solutions of some fourth-order nonlinear differential equations*, **Nonlinear Analysis TMA 71** (2009), pag. 53–57

344. M. Cecchia, Z. Dosla, M. Marini, Regular and extremal solutions for difference equations with generalized $\phi$- Laplacian, **J. Difference Equations Appl. 18** (2012), 815–831; FI = 0.800
*Citeaza*: C. Bereanu, J. Mawhin: *Boundary value problems for second order nonlinear difference equations with discrete and singular $\phi$-Laplacian*, **J. Difference Eq. Appl. 14** (2008), pag. 1099–1118

345. A. Sfecci, A nonresonance condition for radial solutions of a nonlinear Neumann elliptic problem, **Nonlinear Analysis 75** (2012), 6191–6202; FI = 1.536
*Citeaza*: C. Bereanu, P. Jebelean, J. Mawhin: *Radial solutions for Neumann problems involving mean curvature operators in Euclidean and Minkowski spaces*, **Math. Nachr. 283** (2010), pag. 379–391

346. F. Wang, Y. An, Doubly periodic solutions to a coupled telegraph system, **Nonlinear Analysis 75** (2012), 1887–1894; FI = 1.536
*Citeaza*: C. Bereanu: *Periodic solutions of the nonlinear telegraph equations with bounded nonlinearities*, **J. Math. Anal. Appl. 343** (2008), pag. 758–762

347. J. Mawhin, Multiplicity of solutions of variational systems involving $\phi$-Laplacians with singular $\phi$ and periodic nonlinearities, **Discrete Cont. Dynamical Syst. A 32** (2012), 4015–4026; FI = 0.913
*Citeaza*: C. Bereanu, P.J. Torres: *Existence of at least two periodic solutions of the forced relativistic pendulum*, **Proc. Amer. Math. Soc. 140** (2012), pag. 2713–2719

348. A. Fonda, R. Toader, Periodic solutions of pendulum-like Hamiltonian systems in the plane, **Advanced Nonlinear Studies 12** (2012), 395–408; FI = 0.644; *Citeaza*: C. Bereanu, P.J. Torres: *Existence of at least two periodic solutions of the forced relativistic pendulum*, **Proc. Amer. Math. Soc. 140** (2012), pag. 2713–2719

349. C. Riener, On the degree and half-degree principle for symmetric polynomials, **J. Pure Appl. Algebra 216** (2012), 850 – 856; FI = 0.567
*Citeaza*: V. Timofte, *On the positivity of symmetric polynomial functions. Part I: General results*, **J. Math. Anal. Appl. 284** (2003), 174 – 190.

350. A. Kovačec, S. Kuhlmann, C. Riener, A note on extrema of linear combinations of elementary symmetric functions, **Linear Multilinear A. 60** (2012), 219 – 224; FI = 0.727
*Citeaza*: V. Timofte, *On the positivity of symmetric polynomial functions. Part I: General results*, **J. Math. Anal. Appl. 284** (2003), 174–190.

351. Kraynyukova, N., Alber, H.-D., A doubly nonlinear problem associated with a mathematical model for piezoelectric material behavior **ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik 92** (2012), 141 – 159; FI=0.86
*Citeaza*: Aida Timofte, *Homogenization for a nonlinear ferroelectric model*, **Asymptotic Analysis 61** (2009), pag. 177 – 194

352. Mielke, A., Generalized Prandtl-Ishlinskii operators arising from homogenization and dimension reduction, **Physica B: Condensed Matter 407** (2012), 1330 – 1335; FI=3.6
*Citeaza*: Aida Timofte, *Homogenization for a nonlinear ferroelectric model*, **Asymptotic Analysis 61** (2009), pag. 177 – 194

353. Mielke, A., Generalized Prandtl-Ishlinskii operators arising from homogenization and dimension reduction, **Physica B: Condensed Matter 407** (2012), 1330 – 1335; FI=3.6
*Citeaza*: Alexander Mielke, Aida Timofte, *Two-scale homogenization for evolutionary variational inequalities via the energetic formulation*, **SIAM Journal on Mathematical Analysis 39** (2007), pag. 642 – 668

354. Stefan Neukamm, Rigorous Derivation of a Homogenized Bending-Torsion Theory for Inextensible Rods from Three-Dimensional Elasticity, **Archive for Rational Mechanics and Analysis 206** (2012), 645–706; FI=2.05
*Citeaza*: Alexander Mielke, Aida Timofte, *Two-scale homogenization for evolutionary variational inequalities via the energetic formulation*, **SIAM Journal on Mathematical Analysis 39** (2007), pag. 642 – 668

355. M. Cherdantsev and K. D. Cherednichenko, Two-Scale G-Convergence of Integral Functionals and its Application to Homogenisation of Nonlinear High-Contrast Periodic Composites, **Archive for Rational Mechanics and Analysis, 204** (2012), 445 – 478; FI=2.05
*Citeaza*: Alexander Mielke, Aida Timofte, *Two-scale homogenization for evolutionary variational inequalities via the energetic formulation*, **SIAM Journal on Mathematical Analysis 39** (2007), pag. 642 – 668

356. Kraynyukova, N., Alber, H.-D, A doubly nonlinear problem associated with a mathematical model for piezoelectric material behavior **ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik 92** (2012), 141 – 159; FI=0.86

*Citeaza*: Alexander Mielke, Aida M. Timofte, *Modeling and Analytical Study for Ferroelectric Materials*, **Mechanics of Advanced Materials and Structures 13** (2006), 457–462

357. Kraynyukova, N., Alber, H.-D, A doubly nonlinear problem associated with a mathematical model for piezoelectric material behavior **ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik 92** (2012), 141 – 159; FI=0.86
*Citeaza*: Alexander Mielke, Aida Timofte, *An energetic material model for time-dependent ferroelectric behaviour: existence and uniqueness*, **Mathematical Methods in the Applied Sciences 29** (2006), pag. 1393 – 1410

358. Kraynyukova, N., Alber, H.-D, A doubly nonlinear problem associated with a mathematical model for piezoelectric material behavior **ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik 92** (2012), 141 – 159; FI=0.86
*Citeaza*: Aida Timofte, *On modeling, analytical study and homogenization for smart materials*, **Topics on Mathematics for Smart Systems, editors: B. Miara, G. Stavroulakis, V. Valente, World Scientific Publishing Co. Pte. Ltd.** (2007), 237–2

359. Pieter Moree and Eugenia Roşu, *Non-Beiter ternary cyclotomic polynomials with an optimally large set of coefficients*, **International Journal of Number Theory, December, Vol. 08, No. 08** (2012), 1883–1902; FI=0.342
*Citează*: C. Cobeli, unpublished manuscript, updated version, 2011.

360. Jean Bourgain, Sergei V. Konyagin and Igor E. Shparlinski, *Distribution of Elements of Cosets of Small Subgroups and Applications*, **Int. Math. Res. Notices (9)** (2012), 1968–2009; FA=1.014
*Citează*: C. Cobeli and A. Zaharescu, *An exponential congruence with solutions in primitive roots*, **Rev. Roumaine Math. Pures Appl., 44** (1999), 15–22.

361. H. Kruger, The spectrum of skew-shift Schrö dinger operators contains intervals, **J. Funct. Anal. 262** (2012), 773 – 810; FI = 1.082
*Citeaza*: Z. Rudnick, P. Sarnak, A. Zaharescu, *The distribution of spacings between the fractional parts of $n^2\alpha$*, **Invent. Math. 145** (2001), pag. 37 – 57

362. I. E. Shparlinski, On the restricted divisor function in arithmetic progessions, **Rev. Mat. Iberoam. 28** (2012), 231 – 238; FI = 0.852
*Citeaza*: Z. Rudnick, P. Sarnak, A. Zaharescu, *The distribution of spacings between the fractional parts of $n^2\alpha$*, **Invent. Math. 145** (2001), pag. 37 – 57

363. Katzman, Mordechai; Schwede, Karl *An algorithm for computing compatibly Frobenius split subvarieties. J. Symbolic Comput. 47 (2012)*, no. 8, 996–1008. 13A35
*Citeaza* Enescu, Florian; Hochster, Melvin: *The Frobenius structure of local cohomology* **Algebra & Number Theory (2008)**, no. 7, 721–754.

364. Kazuki Hasebe, Non-compact Hopf maps and fuzzy ultra-hyperboloids, **Nuclear Physics B 865** (2012), 148 – 199; FI=4.661
*Citeaza*: Gabriel Bădiţoiu, *Classification of pseudo-Riemannian submersions with totally geodesic fibres from pseudo-hyperbolic spaces*, preprint arXiv:1001.4490, (va apare

in **Proc. London Math. Soc.**, Advance Access published on June 21, 2012, DOI: 10.1112/plms/pds027 )

365. J. H. Kim; K. H. Ko; H. W. Park, Graph braid groups and right-angled Artin groups, **Trans. Amer. Math. Soc. 364** (2012), 309–360; FI=1.093.
*Citeaza*: D. Matei; A. Suciu, *Cohomology rings and nilpotent quotients of real and complex arrangements*, **Adv. Stud. Pure Math. 27** (2000), pag. 185–215.

366. S. Nakane, Postcritical sets and saddle basic sets for Axiom A polynomial skew products on $\mathbb{C}^2$, **Ergodic Theory and Dynamical Systems**, (2012) doi: 10.1017/S0143385712000193; FI = 0,745.
*Citeaza*: E. Mihailescu, *The set $K^-$ for hyperbolic non-invertible maps*, **Ergodic Theory and Dynamical Systems**, (2002), pag. 873–888.

367. S. Nakane, Postcritical sets and saddle basic sets for Axiom A polynomial skew products on $\mathbb{C}^2$, **Ergodic Theory and Dynamical Systems**, (2012) doi: 10.1017/S0143385712000193; FI = 0,745.
*Citeaza*: E. Mihailescu si M. Urbanski, *Estimates for the stable dimension for holomorphic maps*, **Houston Journal of Mathematics, 31** (2005), pag. 367–389.

368. Y. Li, E. Chen and W. Cheng, Variational inequality for conditional pressure on a Borel subset, **Pacific Journal of Mathematics, vol. 256**, (2012), pag. 151–164; FI = 0,578.
*Citeaza*: E. Mihailescu si M. Urbanski, *Inverse topological pressure with applications to holomorphic dynamics in several variables*, **Communications in Contemporary Mathematics, vol.6**, (2004), 653-682.

369. Xiao-Peng Chen, Li-Yan Wu, Yuan-Ling Ye, Ruelle operator for infinite conformal iterated function systems, **Chaos, Solitons & Fractals, Volume 45**, (2012), pag. 1521–1530; FI = 1,414.
*Citeaza*: E. Mihailescu si M. Urbanski, *Hausdorff dimension of the limit set for conformal iterated function systems with overlaps*, **Proceedings of the American Mathematical Society, vol. 139**, (2011), pag. 2767-2775.

370. Xiao-Peng Chen, Li-Yan Wu, Yuan-Ling Ye, Ruelle operator for infinite conformal iterated function systems, **Chaos, Solitons & Fractals, Volume 45**, (2012), pag. 1521–1530; FI = 1,414.
*Citeaza*: E. Mihailescu si M. Urbanski, *Transversal families of hyperbolic skew products*, **Discrete and Continuous Dynamical Systems, vol. 21**, (2008), pag. 907–928.

371. J.I.Cogolludo-Agustin, D.Matei: Cohomology algebra of plane curves, weak combinatorial type, and formality , **Transactions of the American Mathematical Society 364** (2012) no. 11, 5765-5790; FI=1.093
*Citeaza*: Măcinic Daniela Anca: *Cohomology rings and formality properties of nilpotent groups* , **Journal of Pure and Applied Algebra 214** (2010), pag. 1818-1826; FI = 0.567

372. G. Della Salla, J. Perez, Unitary representations of unimodular Lie groups in Bergman spaces **Math. Z., 272** (2012), 483 – 496; FI=0.749

*Citeaza*: R. Todor, I. Chiose, G. Marinescu, *Morse inequalities for covering manifolds*, **Nagoya Math. J., 163** (2001), pag. 145 – 165

373. G. Della Salla, J. Perez, Unitary representations of unimodular Lie groups in Bergman spaces **Math. Z., 272** (2012), 483 – 496; FI=0.749
*Citeaza*: G. Marinescu, R. Todor, I. Chiose, *$L^2$ Holomorphic Sections of Bundles over Weakly Pseudoconvex Coverings*, **Geometriae Dedicata, 91** (2002), pag. 23 – 43

374. A. Kaid, R. Kasprowitz, Semistable vector bundles and Tannaka duality from a computational point of view, **Experimental Math. 21** (2012), 171 – 188; FI = 0.574 (2011)/ 0.743 (5 years)
*Citeaza*: I. Coandă, *On the stability of syzygy bundles*, **Internat. J. Math. 22** (2011), pag. 515 – 534

375. Masaharu Kobayashi and Akihiko Miyachi, Schatten p-class property of pseudodifferential operators with symbols in modulation spaces, **Nagoya Math. J. Volume 205 Volume 205** (2012), 119-148; FI=0.324
*Citeaza*: G. Arsu, *On Schatten-von Neumann class properties of pseudodifferential operators: The Cordes-Kato methodtitlu lucrare citata* , **J. Operator Theory 59** (2008), pag. 81–114;

376. A. V. Sobolev, Pseudo-differential operators with discontinuous symbols: Widom's Conjecture, **Memoirs of the AMS** Posted: June 6, 2012
*Citeaza*: G. Arsu, *On Schatten-von Neumann class properties of pseudodifferential operators: The Cordes-Kato method*, **J. Operator Theory 59** (2008), pag. 81–114;

377. Beltita, Ingrid; Beltita, Daniel, Algebras of symbols associated with the Weyl calculus for Lie group representations, **Monatshefte fur Mathematik 167** (2012), 13-33; FI= 0.616
*Citeaza*: Mantoiu, M ; Purice, R, *The magnetic Weyl calculus*, **Journal of Mathematical Physics 45** (2004), pag. 1394-1417

378. Berlyand, Leonid; Rybalko, Volodymyr; Yip, Nung Kwan, Renormalized Ginzburg-Landau energy and location of near boundary vortices, **Networks and Heterogeneous Media 7** (2012); 179-196; FI= 0.909
*Citeaza*: de Monvel Berthier, A. ; Georgescu, V. ; Purice, R., *A boundary-value problem related to the Ginzburg-Landau model*, **Communications in Mathematical Physics 142** (1991), pag. 1-23

379. Ichinose Takashi, On Three Magnetic Relativistic Schrodinger Operators and Imaginary-Time Path Integrals, **Letters in Mathematical Physics 101** (2012); 323-339; FI= 1.819
*Citeaza*: Iftimie, Viorel; Mantoiu, Marius; Purice, Radu: *Magnetic pseudodifferential operators*, **Publications of the Research Institute of Mathematical Sciences 43** (2007), pag. 585623;

380. Beltita, Ingrid; Beltita, Daniel, Algebras of symbols associated with the Weyl calculus for Lie group representations, **Monatshefte fur Mathematik 167** (2012); 13-33; FI= 0.616
*Citeaza*: Iftimie, Viorel; Mantoiu, Marius; Purice, Radu: *Magnetic pseudodifferential*

61

*operators*, **Publications of the Research Institute of Mathematical Sciences 43** (2007), pag. 585623;

381. Ammann, Bernd; Carvalho, Catarina; Nistor, Victor, Regularity for Eigenfunctions of Schrodinger Operators, **Letters in Mathematical Physics 101** (2012); 49-84; FI= 1.819
*Citeaza*: Iftimie, Viorel; Mantoiu, Marius; Purice, Radu: *Magnetic pseudodifferential operators*, **Publications of the Research Institute of Mathematical Sciences 43** (2007), pag. 585623;

382. Falomir, H.; Gamboa, J.; Loewe, M.; et al., Graphene and non-Abelian quantization, **Journal of Physics A 45** (2012); 49-84; FI= 1.564
*Citeaza*: Iftimie, Viorel; Mantoiu, Marius; Purice, Radu: *Magnetic pseudodifferential operators*, **Publications of the Research Institute of Mathematical Sciences 43** (2007), pag. 585623;

383. Hunsicker, Eugenie; Li, Hengguang; Nistor, Victor; et al., Analysis of Schrodinger operators with inverse square potentials I: regularity results in 3D, **Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie 55** (2012); 157-178; FI= 0.507
*Citeaza*: Iftimie, Viorel; Mantoiu, Marius; Purice, Radu: *Magnetic pseudodifferential operators*, **Publications of the Research Institute of Mathematical Sciences 43** (2007), pag. 585623;

384. Falomir, H.; Gamboa, J.; Loewe, M.; et al., Graphene and non-Abelian quantization, **Journal of Physics A 45** (2012); 49-84; FI= 1.564
*Citeaza*: Mantoiu, Marius; Purice, Radu: *Strict deformation quantization for a particle in a magnetic field*, **Journal of Mathematical Physica 46** (2005);

385. Beltita, Ingrid; Beltita, Daniel, Algebras of symbols associated with the Weyl calculus for Lie group representations, **Monatshefte fur Mathematik 167** (2012), 13-33; FI= 0.616
*Citeaza*: Iftimie V.; Mantoiu, M.; Purice, R., *Commutator Criteria for Magnetic Pseudodifferential Operators*, **Communications in Partial Differential Equations 35** (2010), pag. 1058-1094.

386. Beltita, Ingrid; Beltita, Daniel, Algebras of symbols associated with the Weyl calculus for Lie group representations, **Monatshefte fur Mathematik 167** (2012), 13-33; FI= 0.616
*Citeaza*: Mantoiu, M ; Purice, R, *The modulation mapping for magnetic symbols and operators*, **Proceedings of the American Mathematical Society 138** (2010), pag. 2839-2852.

387. Ichinose Takashi, On Three Magnetic Relativistic Schrodinger Operators and Imaginary-Time Path Integrals, **Letters in Mathematical Physics 101** (2012); 323-339; FI= 1.819
*Citeaza*: Iftimie, Viorel; Mantoiu, Marius; Purice, Radu: *Unicity of the Integrated Density of States for Relativistic Schrodinger Operators with Regular Magnetic Fields and Singular Electric Potentials*, **Integral Equations and Operator Theory 67** (2010), 215-246;

388. Wulff, Christopher, BORDISM INVARIANCE OF THE COARSE INDEX **PROCEED-INGS OF THE AMERICAN MATHEMATICAL SOCIETY 140** 8, (2012), 2693–2697
*Citeaza*: Sergiu Moroianu, *Cusp geometry and the cobordism invariance of the index*, **ADVANCES IN MATHEMATICS 194** 2 (2005), 504–519.

389. Wulff, Christopher, BORDISM INVARIANCE OF THE COARSE INDEX **PROCEED-INGS OF THE AMERICAN MATHEMATICAL SOCIETY 140** 8, (2012), 2693–2697
*Citeaza*: Sergiu Moroianu, *On Carvalho's K-theoretic formulation of the cobordism invariance of the index*, **PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY 134** 11 (2006), 3395–3404.

390. Carvalho, Catarina, Cobordism invariance of the family index **MATHEMATISCHE NACHRICHTEN 285** 7 (2012), 808–820
*Citeaza*: Sergiu Moroianu, *Cusp geometry and the cobordism invariance of the index*, **ADVANCES IN MATHEMATICS 194** 2 (2005), 504–519.

391. Carvalho, Catarina, Cobordism invariance of the family index **MATHEMATISCHE NACHRICHTEN 285** 7 (2012), 808–820
*Citeaza*: Sergiu Moroianu, *On Carvalho's K-theoretic formulation of the cobordism invariance of the index*, **PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY 134** 11 (2006), 3395–3404.

392. Monthubert, Bertrand; Nistor, Victor, A topological index theorem for manifolds with corners, **COMPOSITIO MATHEMATICA 148** 2 (2012), 640–668
*Citeaza*: Lauter, R; Moroianu, S, *Homology of pseudodifferential operators on manifolds with fibered cusps*, **TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY 355** 8 (2003), 3009–3046.

393. Rochon, Frederic Pseudodifferential operators on manifolds with foliated boundaries **JOURNAL OF FUNCTIONAL ANALYSIS 262** 3 (2012) 1309–1362
*Citeaza*: Lauter, R; Moroianu, S, *Fredholm theory for degenerate pseudodifferential operators on manifolds with fibered boundaries*, **COMMUNICATIONS IN PARTIAL DIFFERENTIAL EQUATIONS 26** 1-2 (2001), 233–283.

394. Rochon, Frederic Pseudodifferential operators on manifolds with foliated boundaries **JOURNAL OF FUNCTIONAL ANALYSIS 262** 3 (2012) 1309–1362
*Citeaza*: Lauter, R; Moroianu, S *Homology of pseudodifferential operators on manifolds with fibered cusps*, **TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY 355** 8 (2003), 3009–3046

395. Rochon, Frederic Pseudodifferential operators on manifolds with foliated boundaries **JOURNAL OF FUNCTIONAL ANALYSIS 262** 3 (2012) 1309–1362
*Citeaza*: Moroianu, Sergiu *Fibered cusp versus d-index theory*, **RENDICONTI DEL SEMINARIO MATEMATICO DELLA UNIVERSITA DI PADOVA 117** (2007), 193–203.

396. Morame, Abderemane; Truc, Francoise COUNTING FUNCTION OF THE EMBEDDED EIGENVALUES FOR SOME MANIFOLD WITH CUSPS, AND MAGNETIC LAPLACIAN **MATHEMATICAL RESEARCH LETTERS 19** 2 (2012) 417–429
*Citeaza*: Golenia, Sylvain; Moroianu, Sergiu *Spectral analysis of magnetic Laplacians on conformally cusp manifolds*, **ANNALES HENRI POINCARE 9** 1 (2009), 131–179

397. McCullough, Scott; Sultanic, Saida, Agler-commutant lifting on an annulus, **Integral Equations Operator Theory 72** (2012), 449–482; FI=0.626
*Citeaza*: Ball, J. A.; Li, W. S.; Timotin, D.; Trent, T. T., *A commutant lifting theorem on the polydisc*, **Indiana Univ. Math. J. 48** (1999), pag. 653–675.

398. Garcia, Stephan Ramon; Poore, Daniel E.; Ross, William T., Unitary equivalence to a truncated Toeplitz operator: analytic symbols, **Proc. Amer. Math. Soc. 140** (2012), 1281–1295; FI=0.611
*Citeaza*: Chevrot, Nicolas; Fricain, Emmanuel; Timotin, Dan, *The characteristic function of a complex symmetric contraction*, **Proc. Amer. Math. Soc. 135** (2007), pag. 2877–2886.

399. Garcia, Stephan Ramon; Poore, Daniel E.; Ross, William T., Unitary equivalence to a truncated Toeplitz operator: analytic symbols, **Proc. Amer. Math. Soc. 140** (2012), 1281–1295; FI=0.611
*Citeaza*: Baranov, Anton; Chalendar, Isabelle; Fricain, Emmanuel; Mashreghi, Javad; Timotin, Dan, *Bounded symbols and reproducing kernel thesis for truncated Toeplitz operators*, **J. Funct. Anal. 259** (2010), pag. 2673–2701.

400. Hartmann, Andreas; Ross, William T., Boundary values in range spaces of co-analytic truncated Toeplitz operators, **Publ. Mat. 56** (2012), 191–223; FI=0.660
*Citeaza*: Baranov, Anton; Chalendar, Isabelle; Fricain, Emmanuel; Mashreghi, Javad; Timotin, Dan, *Bounded symbols and reproducing kernel thesis for truncated Toeplitz operators*, **J. Funct. Anal. 259** (2010), pag. 2673–2701.

401. Courtney, Dennis; Sarason, Donald, A mini-max problem for self-adjoint Toeplitz matrices, **Math. Scand. 110** (2012), pag. 82–98; FI=0.467
*Citeaza*: Bakonyi, Mihaly; Timotin, Dan, *On an extension problem for polynomials*, **Bull. London Math. Soc. 33** (2001), pag. 599–605.

402. Antezana, Jorge; Larotonda, Gabriel; Varela, Alejandro, Thompson-type formulae, **J. Funct. Anal. 262** (2012), pag. 1515–1528; FI=1.082
*Citeaza*: Bercovici, H.; Li, W. S.; Timotin, D., *The Horn conjecture for sums of compact selfadjoint operators*, **Amer. J. Math. 131** (2009), pag. 1543–1567.

403. Garcia, Stephan Ramon; Poore, Daniel E.; Ross, William T., Unitary equivalence to a complex symmetric matrix: analytic symbols, **Proc. Amer. Math. Soc. 140** (2012), pag. 1281–1295; FI=0.611
*Citeaza*: Chalendar, I.; Fricain, E.; Timotin, D., *On an extremal problem of Garcia and Ross*, **Oper. Matrices 3** (2009), pag. 541–546.

404. Keiji Tagami: Unoriented HQFT and its underlying algebra, **Topology Appl. 159** no. 3 (2012), pag. 833–849. FI = 0.445

*Citeaza*: Mihai D. Staic and Vladimir Turaev, *Remarks on 2-dimensional HQFTs*, **Algebr. Geom. Topol. 10** no. 3 (2010), pag. 1367–1393.

405. E. Dubrova, *A Scalable Method for Constructing Galois NLFSRs with Period $2^n - 1$ using Cross-Join Pairs*, IEEE Transactions on Information Theory, 2012; FI=3.003.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

406. Thomas W. Cusick and Younhwan Cheon, *Affine equivalence for rotation symmetric Boolean functions with $2^k$ variables*, Designs, Codes and Cryptography Volume 63, Number 2 (2012), 273–294; FI=0.875.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

407. T.W. Cusick, A. Brown, *Affine equivalence for rotation symmetric Boolean functions with $p^k$ variables*, Finite Fields and Their Applications, Volume 18, Issue 3, May 2012, 547–562; FI=0.674.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

408. A. Martín del Rey, G. Rodriguez Sanchez, A. de la Villa Cuencac, *On the boolean partial derivatives and their composition*, Applied Mathematics Letters Volume 25, Issue 4, April 2012, 739–744; FI=1.238.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

409. A. Brown, T.W. Cusick , *Equivalence classes for cubic rotation symmetric functions*, Cryptography and Communications, 2012; FI=1.250.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

410. Thomas W. Cusick, *Finding Hamming weights without looking at truth tables*, Cryptography and Communications, 2012; FI=1.250.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

411. M.L. Bileschi, T.W. Cusick, D. Padgett, *Weights of Boolean cubic monomial rotation symmetric functions*, Cryptography and Communications 4:2 (2012), 105–130; FI=1.250.
*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

412. T.W. Cusick, D. Padgett, *A recursive formula for weights of Boolean rotation symmetric functions*, Discrete Applied Mathematics Volume 160, Issues 4-5, March 2012, Pages 391–397; FI=0.781.
*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

413. Shaojing Fu, Chao Li, Longjiang Qu, Deshuai Dong, *On the number of rotation symmetric functions over $GF(p)$*, Mathematical and Computer Modelling Volume 55, Issues 1-2, January 2012, Pages 142–150; FI=1.351.

*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

414. G. Gao, X. Zhang, W. Liu, C. Carlet, *Constructions of Quadratic and Cubic Rotation Symmetric Bent Functions*, IEEE Trans. on Information theory 58:7 (2012), 4908–4913; FI=3.003.
*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

415. S. Kavut, *Results on rotation-symmetric S-boxes*, Information Sciences Volume 201, 15 October 2012, 93–113; FI=2.984.
*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

416. S. Su, X. Tang, *Construction of rotation symmetric Boolean functions with optimal algebraic immunity and high nonlinearity*, Designs, Codes and Cryptography 2012; FI=0.875.
*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

417. Bin Wang, Xi Yong, Zhang Wei, Hong Chen, *The Hamming Weight and Nonlinearity of a Type of Rotation Symmetric Boolean Function*, Acta Mathematica Sinica 55:4 (2012), 613–626; FI=0.47.
*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

418. Shaojing Fu, Chao Li, Longjiang Qu, Deshuai Dong, *On the number of rotation symmetric functions over $GF(p)$*, Mathematical and Computer Modelling Volume 55, Issues 1-2, January 2012, Pages 142–150; FI=1.351.
*Citeaza* T.W. Cusick, Yuan Li and P. Stanica *Balanced symmetric functions over $GF(p)$*, **IEEE Trans. on Information Theory 54(3)**, pp. 1304-1307, 2008.

419. W. Su, X. Tang, A. Pott, *A Note on a Conjecture for Balanced Elementary Symmetric Boolean Functions*, IEEE Trans. Information Theory 99, 2012; FI=3.003.
*Citeaza* T.W. Cusick, Yuan Li and P. Stanica *Balanced symmetric functions over $GF(p)$*, **IEEE Trans. on Information Theory 54(3)**, pp. 1304-1307, 2008.

420. D. Tang, C. Carlet, X. Tang, *Highly Nonlinear Boolean Functions with Optimal Algebraic Immunity and Good Behavior Against Fast Algebraic Attacks*, IEEE Trans. Information Theory XX, 2012; FI=3.003.
*Citeaza* T.W. Cusick, Y. Li, P. Stanica, *On a Combinatorial Conjecture*, Integers 11 (2011), 185-203; also, **Electronic J. Combinatorial Number Theory 11** (2011), Art.#17 (17pp).

421. Z. Tu, Y. Deng, *Boolean functions optimizing most of the cryptographic criteria*, Discrete Applied Mathematics, Volume 160, Issues 4-5, March 2012, Pages 427–435; FI=0.781.
*Citeaza* T.W. Cusick, Y. Li, P. Stanica, *On a Combinatorial Conjecture*, Integers 11 (2011), 185-203; also, **Electronic J. Combinatorial Number Theory 11** (2011), Art.#17 (17pp).

422. N. C. Bonciocat, Y. Bugeaud, M. Cipu, M. Mignotte, *Some Plya-Type Irreducibility Criteria for Multivariate Polynomials*, **Communications in Algebra 40** (2012), 3733 –3744; FI=0.347
*Citeaza*: M. Cavachi, M. Vajaitu, A. Zaharescu, *An irreducibility criterion for polynomials in several variables*, **Acta Math. Univ. Ostrav. 12** (2004), pag. 13 – 18

423. Zhi-Wei Sun, *Arithmetic theory of harmonic numbers*, **Proc. Amer. Math. Soc. 140** (2012)), 415-428; FI=0.611
*Citeaza*: E. Alkan, J. Sneed, M. Vajaitu, and A. Zaharescu, *Wolstenholme matrices*, **Math. Rep. 8(58)** (2006), pag. 1–8.

424. J Cilleruelo, IE Shparlinski, A Zumalacrregui , *Isomorphism classes of elliptic curves over a finite field in some thin families*, **Math. Res. Letters**, (to appear); FI=0.743
*Citeaza*: Vajaitu, M., Zaharescu, A., *Distributions of values of rational maps on the $F_p$-points on an affine curve*, **Monatsh. Math., 136 (2002)**, 81-86.

425. I. E. Shparlinski, *Modular Hyperbolas*, **JPN J Math**, to appear, pag. 1 – 74, FI=0.615
*Citeaza*: M. Vâjâitu, A. Zaharescu, *Distribution of values of rational maps on the $F_p-$points on an affine curve*, **Monatshefte fur Mathematik, 136** (2002), pag. 81–86

426. I. E. Shparlinski, *Modular Hyperbolas*, **JPN J Math**, to appear, pag. 1 – 74, FI=0.615
*Citeaza*: C. Cobeli, M. Vâjâitu, A. Zaharescu, *Distribution of gaps between the inverses* (mod $q$), **Proc. Edinburgh Math. Soc., 46** (2003), pag. 185– 203

427. I. E. Shparlinski, *Modular Hyperbolas*, **JPN J Math**, to appear, pag. 1 – 74, FI=0.615
*Citeaza*: C. Cobeli, M. Vâjâitu, A. Zaharescu, *Average estimates for the number of tuples of inverses* (mod $p$) *in short intervals*, **Bull. Math. Soc. Sc. Math., Thome 43(91), no.2** (2000), pag. 155 – 167

428. June Huh, Milnor numbers of projective hypersurfaces and the chromatic polynomial of graphs, **Journal of the American Mathematical Society 25** (2012), 907-927; FI=3.841
*Citeaza*: Alexandru Dimca and Stefan Papadima, *Hypersurface complements, Milnor fibers and higher homotopy groups of arrangements*, **Annals of Mathematics (2) 158** (2003), 473-507.

429. Cohen, D.; Costa, A.; Farber, M.; Kappeler, T. Topology of random 2-complexes, **Discrete Comput. Geom. 47** (2012), 117-149; FI=0.938
*Citeaza*: S. Papadima, A. Suciu: *Algebraic invariants for Bestvina–Brady groups*, **J. London Math. Soc. 76** (2007), 273–292.

430. Cogolludo Agustin, J. I.; Matei, D.; Cohomology algebra of plane curves, weak combinatorial type, and formality, **Trans. Amer. Math. Soc. 364** (2012), 5765-5790; FI=1.093
*Citeaza*: A. Dimca, S. Papadima, A. Suciu: *Topology and geometry of cohomology jump loci*, **Duke Math. Journal 148** (2009), 405–457.

431. S. G. Chiossi, P.-A. Nagy, Complex homothetic foliations on Kähler manifolds, **Bull. London Math. Soc. 44** (2012), 113–124; FI = 0.541

*Citeaza*: R. Pantilie, *Harmonic morphisms with one-dimensional fibres*, **Internat. J. Math. 10** (1999), pag. 457–501

432. D. V. Alekseevsky, L. David, Invariant generalized complex structures on Lie groups, **Proc. London Math. Soc.**, DOI 10.1112/plms/pds017; FI = 1.324
*Citeaza*: L. Ornea, R. Pantilie *On holomorphic maps and Generalized Complex Geometry*, **J. Geom. Phys. 61** (2011), pag. 1502–1515

433. E.Porten, The Hartogs phenomenon on weakly pseudoconcave hypersurfaces, **Math. Ann. 354,no.2** (2012), 659-683; FI=1.297
*Citeaza*: M.Coltoiu,J. Ruppenthal *On the Hartogs' extension theorem on (n-1)-complete spaces*, **J.reine angew. Math. 637** (2009), pag. 41-49.

434. Q. Wang, J. L. Yucas, Dickson polynomials over finite fields, **Finite Fields and Their Appl. 18** (2012), 814–831; FI = 0,674
*Citează*: M. Cipu, *Dickson polynomials that are permutations*, **Serdica Math. J. 30** (2004), 177–194.

435. M. H. Le, A note on the simultaneous Pell equations $X^2 - AY^2 = 1$ and $Z^2 - BY^2 = 1$, **Glasnik Matem. 47** (2012), 53–59; FI = 0,302
*Citează*: M. Bennett, M. Cipu, M. Mignotte, R. Okazaki, *On the number of solutions of simultaneous Pell equations, II*, **Acta Arith. 122** (2006), 407–417.

436. Q. Wang, J. L. Yucas, Dickson polynomials over finite fields, **Finite Fields and Their Appl. 18** (2012), 814–831; FI = 0,674
*Citează*: M. Cipu, S.D. Cohen, *Dickson polynomial permutations*, **Finite Fields and Applications**, (G.L. Mullen, D. Panario, I.E. Shparlinski, eds.), Contemp. Math. 461, A. M. S., 2008, pp.79–90.

437. P. J. Costa, S. Friedland, G. Porta, Upper bounds on the magnitude of solutions of certain linear systems with integer coefficients, **Electron. J. Linear Algebra 24** (2012), 113–125; FI = 0,563
*Citează*: M. Cipu, *Small solutions to systems of polynomial equations with integer coefficients*, **An. Şt. Univ. Ovidius Constanţa 19** (2011), 89–99.

438. J. A. Guccione, J. J. Guccione, C. Valqui, Non commutative truncated polynomial extensions, **J. Pure Appl. Algebra 216(11)**, 2315-2337 (2012); FI=0.567
*Citeaza*: P. Jara, J. Lopez, F. Panaite, F. Van Oystaeyen, *On iterated twisted tensor products of algebras*, **Internat. J. Math. 19(9)** (2008), pag. 1053 – 1101

439. Q.-X. Pan, On L-R smash products of Hopf algebras, **Comm. Algebra 40(10)**, 3955-3973 (2012); FI=0.347
*Citeaza*: F. Panaite, F. Van Oystaeyen, *L-R-smash product for (quasi-) Hopf algebras*, **J. Algebra 309** (2007), pag. 168–191

440. A. L. Agore, G. Militaru, Deformations of a mathched pair and Schreier type theorems for bicrossed product of groups, **Cent. Eur. J. Math. 10(2)**, 722-739 (2012); FI=0.440
*Citeaza*: P. Jara, J. Lopez, F. Panaite, F. Van Oystaeyen, *On iterated twisted tensor products of algebras*, **Internat. J. Math. 19(9)** (2008), pag. 1053 – 1101

441. D. Bulacu, S. Caenepeel, On integrals and cointegrals for quasi-Hopf algebras, **J. Algebra 351(1)**, 390-425 (2012); FI=0.613
*Citeaza*: F. Panaite, *A Maschke-type theorem for quasi-Hopf algebras*, in "Rings, Hopf algebras and Brauer groups" (eds. S. Caenepeel and A. Verschoren), **Lecture Notes in Pure and Appl. Math. 197 (1998)**, pag. 201–207, Marcel Dekker, New York

442. E.W. Chambers, K.A. Sykes, C.M. Traub, Unfolding Rectangle-Faced Orthostacks, **Proc. CCCG 2012** (2012), pag. 23–28
*Citeaza*: J. Itoh, J. O'Rourke, C. Vîlcu, Star unfolding convex polyhedra via quasigeodesic loops, **Discrete Comput. Geom. 44** (2010), pag. 35–54

443. J. Rouyer, T. Sari, As many antipodes as vertices on convex polyhedra, **Adv. Geom. 12** (2012), pag. 43–61; FI = 0.338
*Citeaza*: C. Vîlcu, T. Zamfirescu, Symmetry and the farthest point mapping on convex surfaces, **Adv. Geom. 6** (2006), pag. 379–387

444. J. Rouyer, T. Sari, As many antipodes as vertices on convex polyhedra, **Adv. Geom. 12** (2012), pag. 43–61; FI = 0.338
*Citeaza*: Vîlcu, C., *On two conjectures of Steinhaus*, **Geometriae Dedicata 79** (2000), pag. 267–275

445. L. Kadison, Odd H-depth and H-separable extensions, **Central European Journal of Mathematics 10** (2012), 958 – 968; FI=0.440
*Citeaza*: S. Burciu, *On some Representations of the Drinfel'd Double*, **Journal of Algebra 296** (2006), pag. 480 – 504

446. L. Kadison, Odd H-depth and H-separable extensions, **Central European Journal of Mathematics 10** (2012), 958 – 968; FI=0.440
*Citeaza*: S. Burciu, *Depth one extensions of semisimple algebras and Hopf sublgebras*, **Algebras and Representation Theory online first** (2012), pag. 1 – 12

447. T. Fritzsche, The depth of subgroups of $PSL(2,q)$, **Journal of Algebra 349** (2012), 217– 233; FI=0.613
*Citeaza*: S. Burciu and L. Kadison and B. Külshammer, *On subgroup depth*, **Int. Electr. J. Alg. 9** (2011), pag. 133 – 166

448. L. Kadison, Odd H-depth and H-separable extensions, **Central European Journal of Mathematics 10** (2012), 958 – 968; FI=0.440
*Citeaza*: S. Burciu and L. Kadison and B. Külshammer, *On subgroup depth*, **Int. Electr. J. Alg. 9** (2011), pag. 133 – 166

449. J. Dong, Structure of Semisimple Hopf Algebras of Dimension $p^2q^2$, **Comm. Algebra 40** (2012), 795– 806; FI=0.347
*Citeaza*: S. Burciu, *Representations of degree three for semisimple Hopf algebras*, **Journal of Pure and Applied Algebra**, (2006), pag. 89 – 53

450. J. Fuchs, C. Schweigert and C. Stigner, Modular invariant Frobenius algebras from ribbon Hopf algebra automorphisms, **J. Algebra 363** (2012), 29–72 FI=0.613
*Citeaza*: S. Burciu, *A class of Drinfeld doubles that are ribbon algebras*, **J. Algebra 320** (2008), pag. 2053–2078

451. Zhang, Guo-Bao, Global stability of traveling wave fronts for non-local delayed lattice differential equations. **Nonlinear Anal. Real World Appl. 13** (2012), no. 4, 1790–1801, FI=2.043
*Citeaza*: L. I. Ignat, J. D. Rossi, *Asymptotic behaviour for a nonlocal diffusion equation on a lattice*, **Zeitschrift für Angewandte Mathematik und Physik (ZAMP) Volume 59, Number 5, 2008**, pag. 918-925, F.I.=0.951

452. Huang, Rui; Mei, Ming; Wang, Yong, Planar traveling waves for nonlocal dispersion equation with monostable nonlinearity, **Discrete and Continuous Dynamical Systems Volume: 32** Issue: 10 Pages: 3621-3649 DOI: 10.3934/dcds.2012.32.3621 Published: OCT 2012, FI=0.913
*Citeaza*: L.I. Ignat and J.D. Rossi. *A nonlocal convection-diffusion equation.* **Journal of Functional Analysis**, 251:399–437, 2007. FI=1.082

453. Ferreira, Raul; Perez-Llanos, Mayte, Blow-up for the non-local p-Laplacian equation with a reaction term, **Nonlinear Analysis-Theory Methods & Applications Volume: 75** Issue: 14 Pages: 5499-5522 DOI: 10.1016/j.na.2012.04.056 Published: SEP 2012, FI=1.536
*Citeaza*: L.I. Ignat and J.D. Rossi. *A nonlocal convection-diffusion equation.* **Journal of Functional Analysis**, 251:399–437, 2007. FI=1.082

454. Bogoya, Mauricio; Gomez S., Cesar A. On a nonlocal diffusion model with Neumann boundary conditions. Nonlinear Anal. 75 (2012), no. 6, 3198–3209, FI=1.536
*Citeaza*: L.I. Ignat and J.D. Rossi. *A nonlocal convection-diffusion equation.* **Journal of Functional Analysis**, 251:399–437, 2007. FI=1.082

455. Du, Qiang; Kamm, James R.; Lehoucq, R. B.; Parks, Michael L. A new approach for a nonlocal, nonlinear conservation law. SIAM J. Appl. Math. 72 (2012), no. 1, 464–487.FI =1.316
*Citeaza*: L.I. Ignat and J.D. Rossi. *A nonlocal convection-diffusion equation.* **Journal of Functional Analysis**, 251:399–437, 2007. FI=1.082

456. Darbas, M.; Goubet, O.; Lohrengel, S., Exact boundary controllability of the second-order Maxwell system: Theory and numerical simulation, **Computers & mathematics with Applications Volume: 63** Issue: 7 Pages: 1212-1237 DOI: 10.1016/j.camwa.2011.12.046 Published: APR 2012, FI=1.747
*Citeaza*: Ignat, Liviu I.; Zuazua, Enrique *Convergence of a two-grid algorithm for the control of the wave equation.* , **J. Eur. Math. Soc. (JEMS) 11 (2009)**, no. 2, 351–391.

457. Micu, Sorin; Roventa, Ionel, Uniform controllability of the linear one dimensional Schr"odinger equation with vanishing viscosity. **ESAIM Control Optim. Calc. Var. 18** (2012), no. 1, 277–293, FI=0.758
*Citeaza*: Ignat, Liviu I.; Zuazua, Enrique *Numerical dispersive schemes for the nonlinear Schrödinger equation.* , **SIAM J. Numer. Anal. 47 (2009)**, no. 2, 1366–1390

458. Cortazar, Carmen; Elgueta, Manuel; Quiros, Fernando; et al., Asymptotic Behavior for a Nonlocal Diffusion Equation in Domains with Holes **Archive for Rational Mechanics**

and Analysis Volume: **205** Issue: 2 Pages: 673-697 DOI: 10.1007/s00205-012-0519-2 Published: AUG 2012, FI=2.054
*Citeaza*: Ignat, Liviu I.; Rossi, Julio D. *Refined asymptotic expansions for nonlocal diffusion equations.* **J. Evol. Equ. 8** (2008), no. 4, 61–629.

459. Huang, Rui; Mei, Ming; Wang, Yong, Planar traveling waves for nonlocal dispersion equation with monostable nonlinearity **Discrete and Continuous Dynamical Systems Volume: 32** Issue: 10 Pages: 3621-3649 DOI: 10.3934/dcds.2012.32.3621 Published: OCT 2012, FI=0.913
*Citeaza*: Ignat, Liviu I.; Rossi, Julio D. *Decay estimates for nonlocal problems via energy methods.* , **J. Math. Pures Appl. (9) 92 (2009)**, no. 2, 163–187.

460. Coombes, Stephen; Schmidt, Helmut; Laing, Carlo R.; et al., Waves in random neural media **Discrete and Continuous Dynamical Systems Volume: 32** Issue: 8 Special Issue: SI Pages: 2951-2970 DOI: 10.3934/dcds.2012.32.2951 Published: AUG 2012, FI=0.913
*Citeaza*: Ignat, Liviu I.; Rossi, Julio D. *Decay estimates for nonlocal problems via energy methods.* , **J. Math. Pures Appl. (9) 92 (2009)**, no. 2, 163–187.

461. Wang, Yulan; Xiang, Zhaoyin; Hu, Jinsong, Blowup Analysis for a Nonlocal Diffusion Equation with Reaction and Absorption **Journal of Applied Mathematics** Article Number: 648067 DOI: 10.1155/2012/648067 Published: 2012, FI=0.656
*Citeaza*: Ignat, Liviu I.; Rossi, Julio D. *Decay estimates for nonlocal problems via energy methods.* , **J. Math. Pures Appl. (9) 92 (2009)**, no. 2, 163–187.

462. Andrei Zarojanu, Stanley Conjecture on intersection of three monomial primary ideals, **Bull. Math. Soc. Sc. Math. Roumanie 55(103)**, (2012), 335-338; FI=0,507
*Citeaza*: Dorin Popescu, *An inequality between depth and Stanley depth*, **Bull. Math. Soc. Sc. Math. Roumanie 52(100)** (2009, 377-382.

463. Andrei Zarojanu, Stanley Conjecture on intersection of three monomial primary ideals, **Bull. Math. Soc. Sc. Math. Roumanie 55(103)**, (2012), 335-338; FI=0,507
*Citeaza*: Herzog, Jurgen; Popescu, Dorin; Vladoiu, Marius, *Stanley depth and size of a monomial ideal*, **Proc. Amer. Math. Soc. 140** (2012), no. 2, 493504; FI=0,611

464. Andrei Zarojanu, Stanley Conjecture on intersection of three monomial primary ideals, **Bull. Math. Soc. Sc. Math. Roumanie 55(103)**, (2012), 335-338; FI=0,507
*Citeaza*: Dorin Popescu, Muhammad Qureshi, *Computing the Stanley depth*, **Journal of Algebra, 323** (2010), 2943-2959.

465. Andrei Zarojanu, Stanley Conjecture on intersection of three monomial primary ideals, **Bull. Math. Soc. Sc. Math. Roumanie 55(103)**, (2012), 335-338; FI=0,507
*Citeaza*: Dorin Popescu: *Bounds of Stanley depth*, **An. St. Univ. Ovidius. Constanta, 19**,(2011), 187-194; FI=0,052.

466. Ishaq, Muhammad, Upper bounds for the Stanley depth, **Comm. Algebra 40** (2012), no. 1, 87–97; FI=0,347
*Citeaza*: Dorin Popescu, *An inequality between depth and Stanley depth*, **Bull. Math. Soc. Sc. Math. Roumanie 52(100)** (2009, 377-382,

467. Ishaq, Muhammad, Upper bounds for the Stanley depth, **Comm. Algebra 40** (2012), no. 1, 87–97; FI=0,347
    *Citeaza*: Dorin Popescu, Muhammad Qureshi, *Computing the Stanley depth*, **Journal of Algebra, 323** (2010), 2943-2959.

468. Ishaq, Muhammad, Upper bounds for the Stanley depth, **Comm. Algebra 40** (2012), no. 1, 87–97; FI=0,347
    *Citeaza*: Dorin Popescu, *Stanley depth of multigraded modules*, **J. Algebra, 321** (2009), 2782- 2797

469. Ishaq, Muhammad, Upper bounds for the Stanley depth, **Comm. Algebra 40** (2012), no. 1, 87–97; FI=0,347
    *Citeaza*: I. Anwar, D. Popescu, Stanley conjecture in small embedding dimension, **J. Algebra 318**, (2007), 1027-1031

470. Sharp, Rodney Y. Big tight closure test elements for some non-reduced excellent rings, **J. Algebra 349** (2012), 284–316; FI=0,613
    *Citeaza*: Dorin Popescu, *General Neron Desingularization and approximation*, **Nagoya Math.J lucrare citata, 104** (1986), 85 -115

471. Sharp, Rodney Y. Big tight closure test elements for some non-reduced excellent rings, **J. Algebra 349** (2012), 284–316; FI=0,613
    *Citeaza* Dorin Popescu, *General Neron desingularization*, **Nagoya Math. J.,100**(1985), 97-126.

472. Fernández de Bobadilla, Javier, Nash problem for surface singularities is a topological problem, **Adv. Math. 230** (2012), no. 1, 131–176; FI=1,177
    *Citeaza*: Dorin Popescu, *General Neron Desingularization and approximation*, **Nagoya Math.J, 104** (1986), 85 -115

473. O. P. Santillan, Hidden symmetries and super-graviti solutions, **Journal of Mathematical Physics 53** (2012), DOI:10.1063/1.3698087; FI=1.291
    *Citeaza* L. David, *The conformal-Killing equation on $G_2$ and $Spin_7$-structures*, **Journal of Geometry and Physics 61** (2011), pag. 1070–1078

474. A. Arsie, P. Lorenzoni, *F*-Manifolds with Eventual Identities, Bidiferential Calculus and Twisted Lenard-Magri Chains, **International Mathematics Research Notices DOI:10.1093/imrn/rns172** (2012); FI =1.014
    *Citeaza* L. David, I. A. B. Strachan: *Dubrovin's duality for F-manifolds with eventual identities*, **Advances in Matematics 266** (2011), pag. 4031-4060

475. A. Arsie, P. Lorenzoni, *F*-Manifolds with Eventual Identities, Bidiferential Calculus and Twisted Lenard-Magri Chains, **International Mathematics Research Notices, DOI:10.1093/imrn/rns172** (2012); FI=1.014
    *Citeaza* L. David, I. A. B. Strachan *Symmetries of F-manifolds with eventual identities and special families of connections*, acceptata in **Annali della Scuola Normale Superiore di Pisa (vezi si arxiv:1103.2045)**

476. Y. Shi, X. Zhu, Kähler-Ricci solitons on toric Fano orbifolds, **Mathematische Zeitschrift**, DOI:10.1007/s00209-011-0913-8; FI=0.749
*Citeaza* D. Calderbank, L. David, P. Gauduchon, *The Guillemin formula and Kahler metrics on toric symplectic manifolds*, **Journal Symplectic Geometry 1 (4)** (2002), pag. 767–784.

477. M. Vaccaro, (Para-) Hermitian and (para-) Kähler submanifolds of a para-quaternionic Kähler manifold, **Differential Geometry and Its Applications 30** (2012), pag. 347–364; FI=0.646
*Citeaza* L. David *About the geometry of almost para-quaternionic manifolds*, **Differential Geometry and Its Applications 27** (2009), pag. 575–588

478. G. E. Vilcu, R. Voicu, Curvature properties of pseudo-sphere bundles over paraquaternionic manifolds, **International Journal of Geometric Methods in Modern Physics 9** (2012), doi:10.1142/S0219887812500247; FI=0.856
*Citeaza* L. David, *About the geometry of almost quaternionic manifolds*, **Differential Geometry and Its Applications 27** (2009), pag. 575-588

479. Gongyo, Y. On weak Fano varieties with log canonical singularities. **J. Reine Angew. Math. Vol 665** (2012), pag. 237–252;FI=1.042
*Citeaza*: Ambro F., *Quasi-log varieties*, **Proc. Steklov Inst. Math. Vol 240 (1)** (2003), pag. 214 – 233

480. Gongyo, Y., On weak Fano varieties with log canonical singularities, **J. Reine Angew. Math. 665** (2012), 237–252; FI=1.042
*Citeaza*: Ambro F., *Basic properties of log canonical centers*, **Classification of algebraic varieties, EMS Ser. Congr. Rep.** (2011), pag. 39 – 48

481. Paun, M. Relative critical exponents, non-vanishing and metrics with minimal singularities, **Invent. Math. Vol 187 (1)** (2012), pag 195–258; FI=2.339
*Citeaza*: Ambro F, *Restrictions of log canonical algebras of general type*, **J. Math. Sci. Univ. Tokyo 13 (2006)**, pag. 409-437

482. Fujino, O.; Gongyo, Y., On images of weak Fano manifolds, **Math. Z. Vol. 270 (1-2)** (2012), pag. 531–544; FI=0.749
*Citeaza*: Ambro F., *The moduli b-divisor of an lc-trivial fibration*, **Comp. Math. Vol 141 (2)** (2005), pag. 385 – 403

483. J. Rouyer, T. Sari, As many antipodes as vertices on convex polyhedra, **Adv. Geom. 12** (2012), pag. 43–61; FI = 0.338
*Citeaza*: Vîlcu, C., *On two conjectures of Steinhaus*, **Geometriae Dedicata 79** (2000), pag. 267–275

484. J. Rouyer, T. Sari, As many antipodes as vertices on convex polyhedra, **Adv. Geom. 12** (2012), pag. 43–61; FI = 0.338
*Citeaza*: C. Vîlcu, T. Zamfirescu, Symmetry and the farthest point mapping on convex surfaces, **Adv. Geom. 6** (2006), pag. 379–387

485. Lawrence Ein, Robert Lazarsfeld, Asymptotic syzygies of algebraic varieties, **Inventiones Math.** (2012), în curs de apariţie, DOI: 10.1007.s00222-012-0384-5

*Citează*: Marian Aprodu, Claire Voisin, *Green-Lazarsfeld's conjecture for generic curves of large gonality*, **C. R. Math. Acad. Sci. Paris 336-4** (2003), pag. 335 – 339

486. Lawrence Ein, Robert Lazarsfeld, Asymptotic syzygies of algebraic varieties, **Inventiones Math.** (2012), în curs de apariţie, DOI: 10.1007.s00222-012-0384-5
*Citează*: Marian Aprodu, *Green-Lazarsfeld Gonality Conjecture for Generic Curves of Odd Genus*, **Int. Math. Res. Not. 63** (2004), pag. 3409 – 3416

487. Gavril Farkas, Angela Ortega, Higher rank Brill-Noether theory on sections of K3 surfaces, **Internat. J. Math. 23** (2012), 1250075
*Citează*: Marian Aprodu, Jan Nagel, *Non-vanishing for Koszul cohomology of curves*, **Comment. Math. Helvetici 82** (2007), pag. 617 – 628

488. Gavril Farkas, Alessandro Verra, Moduli of theta-characteristics via Nikulin surfaces, **Math. Ann. 354**, (2012), pag. 465 – 496
*Citează*: Marian Aprodu, Gavril Farkas, *Green's Conjecture for general covers*, **Compact moduli spaces and vector bundles**, editori: Valery Alexeev, University of Georgia, Athens, GA, Angela Gibney, University of Georgia, Athens, GA, Elham Izadi, University of Georgia, Athens, GA, János Kollár, Princeton University, Princeton, NJ, Eduard Looijenga, Universiteit Utrecht, Utrecht, The Netherlands, Contemporary Math., AMS, Vol. 564 (2012), pag. 211 – 226, ISBN: 978-0-8218-6899-7 (p); 978-0-8218-8537-6 (e).

489. Nero Budur, Pedro G. Gonzalez-Perez, Manuel Gonzalez Villa, Log canonical thresholds of quasi-ordinary hypersurface singularities, **Proc. A.M.S. 140** (2012), 4075 – 4083
*Citează*: Marian Aprodu, Daniel Naie, *Enriques diagrams and log-canonical thresholds of curves on smooth surfaces*, **Geometriae Dedic. 146** (2010), pag. 43 – 66

490. Alexandru Sterian, Stable ample 2-vector bundles on Hirzebruch surfaces, **Bull. Math. Soc. Sci. Math. Roumanie Tome 55(103) No. 3** (2012), pag. 311 – 317
*Citează*: Marian Aprodu, Vasile Brînzănescu, *Fibrés vectoriels de rang deux sur les surfaces reglées*, **C. R. Acad. Sci. Paris 323, Serie I** (1996), pag. 627 – 630

491. Alexandru Sterian, Stable ample 2-vector bundles on Hirzebruch surfaces, **Bull. Math. Soc. Sci. Math. Roumanie Tome 55(103) No. 3** (2012), pag. 311 – 317
*Citează*: Marian Aprodu, Vasile Brînzănescu, *Existence of stable 2-vector bundles over ruled surfaces*, **Rev. Roumaine Math. pures appl. 43**, (1998), pag. 47 – 56

492. Alexandru Sterian, Stable ample 2-vector bundles on Hirzebruch surfaces, **Bull. Math. Soc. Sci. Math. Roumanie Tome 55(103) No. 3** (2012), pag. 311 – 317
*Citează*: Marian Aprodu, Vasile Brînzănescu, *Moduli spaces of vector bundles over ruled surfaces*, **Nagoya Math. J. 154** (1999), pag. 111 – 122

493. M.J. Dupré, J.F. Glazebrook, E. Previato, Differential algebras with Banach-algebra coefficients I: from C*-algebras to the K-theory of the spectral curve, **Complex Anal. Oper. Theory** (DOI: 10.1007/s11785-012-0221-2); FI=0.600
**Citează**: D. Belţiţă, *Smooth homogeneous structures in operator theory*, **Chapman & Hall/CRC Monographs and Surveys in Pure and Applied Mathematics, 137**, Chapman & Hall/CRC, Boca Raton, FL, 2006.

494. M.J. Dupré, J.F. Glazebrook, E. Previato, Differential algebras with Banach-algebra coefficients I: from C\*-algebras to the K-theory of the spectral curve, **Complex Anal. Oper. Theory** (DOI: 10.1007/s11785-012-0221-2); FI=0.600
**Citează**: D. Beltiţă, J.E. Galé, *Holomorphic geometric models for representations of $C^*$-algebras*, **J. Funct. Anal. 255** (2008), no. 10, pag. 2888–2932.

495. M.J. Dupré, J.F. Glazebrook, E. Previato, Differential algebras with Banach-algebra coefficients I: from C\*-algebras to the K-theory of the spectral curve, **Complex Anal. Oper. Theory** (DOI: 10.1007/s11785-012-0221-2); FI=0.600
**Citează**: D. Beltiţă, J.E. Galé, *On complex infinite-dimensional Grassmann manifolds*, **Complex Anal. Oper. Theory 3** (2009), pag. 739–758.

496. M.J. Dupré, J.F. Glazebrook, E. Previato, Differential algebras with Banach-algebra coefficients II: the operator cross-ratio tau-function and the Schwarzian derivative, **Complex Anal. Oper. Theory** (DOI: 10.1007/s11785-012-0219-9); FI=0.600
**Citează**: D. Beltiţă, J.E. Galé, *Holomorphic geometric models for representations of $C^*$-algebras*, **J. Funct. Anal. 255** (2008), no. 10, 2888–2932.

497. A.M. Bikchentaev, A.A. Sabirova, Dominated convergence in measure on semifinite von Neumann algebras and arithmetic averages of measurable operators (lb. rusă), **Sibirsk. Mat. Zh. 53** (2012), no. 2, 258–270; trad. în **Siberian Math. J. 53** (2012), no. 2, pp. 207–216; FI=0.365
*Citează*: D. Beltiţă, *Lie theoretic significance of the measure topologies associated with a finite trace*, **Forum Math. 22** (2010), no. 2, 241–253.

498. M. Hofacker, C. Miehe, A phase field model of dynamic fracture: Robust field updates for the analysis of complex crack patterns, **Int. J. Numer. Meth. Engng.** (2012), doi: 10.1002/nme.4387 (published online 31 jul 2012); FI=2.009
*Citeaza*: M. Buliga, *Energy Minimizing Brittle Crack Propagation*, **J. of Elasticity vol. 52(3)** (1999), pag. 201 – 238

499. M. Hofacker, C. Miehe, Continuum phase field modeling of dynamic fracture: variational principles and staggered FE implementation, **International J. Fracture** (2012), doi:10.1007/s10704-012-9753-8 , ; FI=1.485
*Citeaza*: M. Buliga, *Energy Minimizing Brittle Crack Propagation*, **J. of Elasticity vol. 52(3)** (1999), pag. 201 – 238

500. A. Mielke, R. Rossi, G. Savaré, BV solutions and viscosity approximations of rate-independent systems, **ESAIM: Control, Optimisation and Calculus of Variations 18(1)** (2012), 36–80 ; FI=0.758
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée, *Existence and construction of bipotentials for graphs of multivalued laws*, **J. of Convex Analysis vol. 15(1)** (2008), pag. 87 – 104

501. A. Berga, Mathematical and numerical modeling of the non-associated plasticity of soilsPart 1: The boundary value problem, **International Journal of Non-Linear Mechanics 47(1)** (2012), 26–35 ; FI=1.209
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée, *Existence and construction of bipotentials for graphs of multivalued laws*, **J. of Convex Analysis vol. 15(1)** (2008), pag. 87 – 104

502. A. Visintin, Variational formulation and structural stability of monotone equations, **Calculus of Variations and Partial Differential Equations** (2012), DOI: 10.1007/s00526-012-0519-y ; FI=1.235
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée, *Existence and construction of bipotentials for graphs of multivalued laws*, **J. of Convex Analysis vol. 15(1)** (2008), pag. 87 – 104

503. A. Visintin, Structural stability of rate-independent nonpotential flows, **Discrete Contin. Dyn. Syst. S 6(1)** (2013), 257 - 275; FI=1.180
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée, *Existence and construction of bipotentials for graphs of multivalued laws*, **J. of Convex Analysis vol. 15(1)** (2008), pag. 87 – 104

504. A. Berga, Mathematical and numerical modeling of the non-associated plasticity of soilsPart 2: Finite element analysis, **International Journal of Non-Linear Mechanics 47(1)** (2012), 36–45 ; FI=1.209
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée, *Existence and construction of bipotentials for graphs of multivalued laws*, **J. of Convex Analysis vol. 15(1)** (2008), pag. 87 – 104

505. C. Vallée, C. Lerintiu, J. Chaoufi, D. Fortuné, M. Ban, K. Atchonouglo, A Class of Non-associated Materials: n-Monotone MaterialsHookes Law of Elasticity Revisited, **J. Elasticity** (2012), doi: 10.1007/s10659-012-9403-4 ; FI=1.110
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée, *Existence and construction of bipotentials for graphs of multivalued laws*, **J. of Convex Analysis vol. 15(1)** (2008), pag. 87 – 104

506. G. de Saxcé, C. Vallée, Bargmann group, momentum tensor and Galilean invariance of ClausiusDuhem inequality, **International Journal of Engineering Science 50(1)** (2012),216 – 232 ; FI=1.210
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée, *Existence and construction of bipotentials for graphs of multivalued laws*, **J. of Convex Analysis vol. 15(1)** (2008), pag. 87 – 104

507. A. Berga, Mathematical and numerical modeling of the non-associated plasticity of soilsPart 1: The boundary value problem, **International Journal of Non-Linear Mechanics 47(1)** (2012), 26–35 ; FI=1.209
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée, *Non Maximal Cyclically Monotone Graphs and Construction of a Bipotential for the Coulomb's Dry Friction Law*, **J. of Convex Analysis vol. 17(1)** (2010), pag. 81 – 94;

508. A. Matei, A variational approach via bipotentials for unilateral contact problems, **Journal of Mathematical Analysis and Applications 397(1)** (2013), 371 – 380 ; FI=1.001
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée, *Non Maximal Cyclically Monotone Graphs and Construction of a Bipotential for the Coulomb's Dry Friction Law*, **J. of Convex Analysis vol. 17(1)** (2010), pag. 81 – 94;

509. C. Vallée, C. Lerintiu, J. Chaoufi, D. Fortuné, M. Ban, K. Atchonouglo, A Class of Non-associated Materials: n-Monotone MaterialsHookes Law of Elasticity Revisited, **J. Elasticity** (2012), doi: 10.1007/s10659-012-9403-4 ; FI=1.110
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée, *Non Maximal Cyclically Monotone Graphs and Construction of a Bipotential for the Coulomb's Dry Friction Law*, **J. of Convex Analysis vol. 17(1)** (2010), pag. 81 – 94;

510. A. Visintin, Variational formulation and structural stability of monotone equations, **Calculus of Variations and Partial Differential Equations** (2012), DOI: 10.1007/s00526-012-0519-y ; FI=1.235
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée: *Bipotentials for Non-monotone Multivalued Operators: Fundamental Results and Applications*, **Acta Appl. Math. vol. 110(2)** (2010), pag. 955 – 972

511. A. Matei, A variational approach via bipotentials for unilateral contact problems, **Journal of Mathematical Analysis and Applications 397(1)** (2013), 371 – 380 ; FI=1.001
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée: *Bipotentials for Non-monotone Multivalued Operators: Fundamental Results and Applications*, **Acta Appl. Math. vol. 110(2)** (2010), pag. 955 – 972

512. A. Berga, Mathematical and numerical modeling of the non-associated plasticity of soilsPart 1: The boundary value problem, **International Journal of Non-Linear Mechanics 47(1)** (2012), 26–35 ; FI=1.209
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée: *Bipotentials for Non-monotone Multivalued Operators: Fundamental Results and Applications*, **Acta Appl. Math. vol. 110(2)** (2010), pag. 955 – 972

513. C. Vallée, C. Lerintiu, J. Chaoufi, D. Fortuné, M. Ban, K. Atchonouglo, A Class of Non-associated Materials: n-Monotone MaterialsHookes Law of Elasticity Revisited, **J. Elasticity** (2012), doi: 10.1007/s10659-012-9403-4 ; FI=1.110
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée: *Bipotentials for Non-monotone Multivalued Operators: Fundamental Results and Applications*, **Acta Appl. Math. vol. 110(2)** (2010), pag. 955 – 972

514. I.M. Bomze, W. Schachinger, G. Uchida, Think co(mpletely)positive ! Matrix properties, examples and a clustered bibliography on copositive optimization, **Journal of Global Optimization 52(3)** (2012), 423 – 445 ; FI=1.196
*Citeaza*: M. Buliga: *Four applications of majorization to convexity in the calculus of variations*, **Linear Algebra Appl. vol. 429(7)** (2008), pag. 1528 – 1545

515. A. Armandnejad, F. Akbarzadeh, Z. Mohammadi, Zbl pre06044840 Armandnejad, A.; Akbarzadeh, F.; Mohammadi, Z. Row and column-majorization on $M_{n,m}$, **Linear Algebra Appl. vol. 437(3)** (2012), 1025 – 1032 ; FI = 0.974
*Citeaza*: M. Buliga: *Four applications of majorization to convexity in the calculus of variations*, **Linear Algebra Appl. vol. 429(7)** (2008), pag. 1528 – 1545

516. A. Berga, Mathematical and numerical modeling of the non-associated plasticity of soilsPart 1: The boundary value problem, **International Journal of Non-Linear Mechanics 47(1)** (2012), 26–35 ; FI=1.209
*Citeaza*:M. Buliga, G. de Saxcé, C. Vallée: *Blurred Constitutive Laws and Bipotential Convex Covers*, **Math. Mech. Solids vol. 16(2)** (2011), pag. 161 – 171

517. C. Vallée, C. Lerintiu, J. Chaoufi, D. Fortuné, M. Ban, K. Atchonouglo, A Class of Non-associated Materials: n-Monotone MaterialsHookes Law of Elasticity Revisited, **J. Elasticity** (2012), doi: 10.1007/s10659-012-9403-4 ; FI=1.110
*Citeaza*: M. Buliga, G. de Saxcé, C. Vallée: *A variational formulation for constitutive*

*laws described by bipotentials*, **Math. Mech. Solids doi: 10.1177/1081286511436136** (2012)

518. George Z. Voyiadjis, Danial Faghihi, Thermo-mechanical strain gradient plasticity with energetic and dissipative length scales, **International Journal of Plasticity 30-31** (2012), pag. 218–247; FI=4.603
*Citeaza*: C. Făciu and A. Molinari, *Evolution of layered structures in a gradient-dependent viscoplastic material*, **Journal De Physique IV 6** (1996) pag. 45–54.

519. George Z. Voyiadjis, Danial Faghihi, Thermo-mechanical strain gradient plasticity with energetic and dissipative length scales, **International Journal of Plasticity 30-31** (2012), pag. 218–247; FI=4.603
*Citeaza*: C. Făciu and A. Molinari, *A non-local rate-type viscoplastic approach to patterning of deformation*, **Acta Mechanica 126** (1998) pag. 71–99.

520. George Z. Voyiadjis, Danial Faghihi, Thermo-mechanical strain gradient plasticity with energetic and dissipative length scales, **International Journal of Plasticity 30-31** (2012), 218–247; FI=4.603
*Citeaza*: C. Făciu, A. Molinari, M. Dablij and A. Zeghloul, *A new rate-type gradient-dependent viscoplastic approach for stop-and-go strain band propagation. Numerical vs. physical experiments*, **Journal De Physique IV 8** (1998) pag. 143–150.

521. B. A. Ibn Dehaisha, M. A. Khamsi, A. R. Khan, A. R., Mann iteration process for asymptotic pointwise nonexpansive mappings in metric spaces, **Journal of Mathematical Analysis and Applications 397** (2013), pag. 861-868; FI=1.001
*Citeaza*: L. Leuştean, *A quadratic rate of asymptotic regularity in CAT(0)-spaces*, **Journal of Mathematical Analysis and Applications 325** (2007), pag. 386-399

522. B. van den Berg, E. Briseid, P. Safarik, A functional interpretation for nonstandard arithmetic, **Annals of Pure and Applied Logic 163** (2012), pag. 1962–1994; FI = 0.45
*Citeaza*: U. Kohlenbach, L. Leuştean, *Asymptotically nonexpansive mappings in uniformly convex hyperbolic spaces*, **Journal of the European Mathematical Society 12** (2010), pag. 71-92

523. B. van den Berg, E. Briseid, P. Safarik, A functional interpretation for nonstandard arithmetic, **Annals of Pure and Applied Logic 163** (2012), pag. 1962–1994; FI = 0.45
*Citeaza*: U. Kohlenbach, L. Leuştean, *A quantitative Mean Ergodic Theorem for uniformly convex Banach spaces*, **Ergodic Theory and Dynamical Systems 29** (2009), pag. 1907-1915

524. B. van den Berg, E. Briseid, P. Safarik, A functional interpretation for nonstandard arithmetic, **Annals of Pure and Applied Logic 163** (2012), pag. 1962–1994; FI = 0.45
*Citeaza*: L. Leuştean, *A quadratic rate of asymptotic regularity in CAT(0)-spaces*, **Journal of Mathematical Analysis and Applications 325** (2007), pag. 386-399

525. B. van den Berg, E. Briseid, P. Safarik, A functional interpretation for nonstandard arithmetic, **Annals of Pure and Applied Logic 163** (2012), pag. 1962–1994; FI = 0.45
*Citeaza*: U. Kohlenbach, L. Leuştean, *Mann iterates of directionally nonexpansive mappings in hyperbolic spaces*, **Abstract and Applied Analysis** (2003), pag. 449-477

526. R. A. Borzooei, G. R. Rezaei, N. Kouhestani, Metrizability on (semi)topological BL-algebras, **Soft Computing 16** (2012), pag. 1681-1690; FI =1.88
*Citeaza*: A. Di Nola, L. Leuştean, *Compact representations of BL-algebras*, **Archive for Mathematical Logic 42** (2003), pag. 737 - 761

527. R. A. Borzooei, G. R. Rezaei, N. Kouhestani, Separation axioms in (semi)topological quotient BL-algebras, **Soft Computing 16** (2012), pag. 1219-1227; FI =1.88
*Citeaza*: A. Di Nola, L. Leuştean, *Compact representations of BL-algebras*, **Archive for Mathematical Logic 42** (2003), pag. 737 - 761

528. M. Botur, A. Dvurecenskij, T. Kowalski, On normal-valued basic pseudo hoops, **Soft Computing 16** (2012), pag. 635-644; FI =1.88
*Citeaza*: G. Georgescu, L. Leuştean, V. Preoteasa, *Pseudo-hoops*, **Journal of Multiple-Valued Logic and Soft Computing 11** (2005), pag. 153-184

529. C. Buşneag, D. Piciu, The stable topology for residuated lattices, **Soft Computing 16** (2012), pag. 1639-1655; FI =1.88
*Citeaza*: L. Leuştean, *The prime and maximal spectra and the reticulation of BL-algebras*, **Central European Journal of Mathematics 1** (2003), pag. 382-397

530. C. Buşneag, D. Piciu, The stable topology for residuated lattices, **Soft Computing 16** (2012), pag. 1639-1655; FI =1.88
*Citeaza*: *Citeaza*: G. Georgescu, L. Leuştean, *Some classes of pseudo-BL algebras*, **Journal of the Australian Mathematical Society 73** (2002), pag. 127-153

531. A. Dvurecenskij, J. Rachunek, D. Salounova, State operators on generalizations of fuzzy structures, **Fuzzy Sets and Systems 194** (2012), pag. 97-99; FI =1.759
*Citeaza*: G. Georgescu, L. Leuştean, V. Preoteasa, *Pseudo-hoops*, **Journal of Multiple-Valued Logic and Soft Computing 11** (2005), pag. 153-184

532. R. Espinola, A. Nicolae, Mutually nearest and mutually farthest points of sets and the Drop Theorem in geodesic spaces, **Monatshefte für Mathematik 165** (2012), pag. 173-197; FI=0.616
*Citeaza*: U. Kohlenbach, L. Leuştean, *Asymptotically nonexpansive mappings in uniformly convex hyperbolic spaces*, **Journal of the European Mathematical Society 12** (2010), pag. 71-92

533. N. Hussain, M.A. Khamsi, W.A. Kirk, One-local retracts and Banach operator pairs in metric spaces, **Applied Mathematics and Computation 218** (2012), pag. 10072-10081; FI=1.317
*Citeaza*: U. Kohlenbach, L. Leuştean, *Asymptotically nonexpansive mappings in uniformly convex hyperbolic spaces*, **Journal of the European Mathematical Society 12** (2010), pag. 71-92

534. A. R. Khan, H. Fukhar-ud-din, Hafiz; M. A. A. Khan, An implicit algorithm for two finite families of nonexpansive maps in hyperbolic spaces, **Fixed Point Theory and Applications 2012** (2012), DOI:10.1186/1687-1812-2012-54; FI =1.634
*Citeaza*: L. Leuştean, *Nonexpansive iterations in uniformly convex W-hyperbolic spaces*, **Nonlinear Analysis and Optimization I: Nonlinear Analysis**, editori: A. Leizarowitz,

B. S. Mordukhovich, I. Shafrir, A. Zaslavski, Contemporary Mathematics, Vol. 513 (2010), AMS (2010), pag. 193-209

535. U. Kohlenbach, Gödel functional interpretation and weak compactness, **Annals of Pure and Applied Logic 163** (2012), 1560-1579; FI =0.45
*Citeaza*: U. Kohlenbach, L. Leuştean, *A quantitative Mean Ergodic Theorem for uniformly convex Banach spaces*, **Ergodic Theory and Dynamical Systems 29** (2009), pag. 1907-1915

536. U. Kohlenbach, A uniform quantitative form of sequential weak compactness and Baillon's nonlinear ergodic theorem., **Communications in Contemporary Mathematics 14** (2012), 1250006, DOI: 10.1142/S021919971250006X; FI =0.574
*Citeaza*: U. Kohlenbach, L. Leuştean, *Asymptotically nonexpansive mappings in uniformly convex hyperbolic spaces*, **Journal of the European Mathematical Society 12** (2010), pag. 71-92

537. U. Kohlenbach, A uniform quantitative form of sequential weak compactness and Baillon's nonlinear ergodic theorem., **Communications in Contemporary Mathematics 14** (2012), 1250006, DOI: 10.1142/S021919971250006X; FI =0.574
*Citeaza*: U. Kohlenbach, L. Leuştean, *A quantitative Mean Ergodic Theorem for uniformly convex Banach spaces*, **Ergodic Theory and Dynamical Systems 29** (2009), pag. 1907-1915

538. X. Li, T. Yip, Implicit Mann approximation with perturbations for nonexpansive semigroups in CAT(0) spaces, **Fixed Point Theory and Applications** (2012), Article ID 145, DOI:10.1186/1687-1812-2012-145; FI = 1.634
*Citeaza*: L. Leuştean, *A quadratic rate of asymptotic regularity in CAT(0)-spaces*, **Journal of Mathematical Analysis and Applications 325** (2007), pag. 386-399

539. L.-J. Lin, C.-s. Chuang, Z.T. Yu, Convergence Theorems for Some Semigroups of Nonexpansive Mappings in Complete CAT(0) Spaces, **Fixed Point Theory and Applications** (2012), Article ID 155, DOI:10.1186/1687-1812-2012-155; FI = 1.634
*Citeaza*: L. Leuştean, *A quadratic rate of asymptotic regularity in CAT(0)-spaces*, **Journal of Mathematical Analysis and Applications 325** (2007), pag. 386-399

540. P. Safarik, A quantitative nonlinear strong ergodic theorem for Hilbert spaces, **Journal of Mathematical Analysis and Applications 391** (2012), pag. 26-37; FI =1.001
*Citeaza*: U. Kohlenbach, L. Leuştean, *Asymptotically nonexpansive mappings in uniformly convex hyperbolic spaces*, **Journal of the European Mathematical Society 12** (2010), pag. 71-92

541. P. Safarik, A quantitative nonlinear strong ergodic theorem for Hilbert spaces, **Journal of Mathematical Analysis and Applications 391** (2012), pag. 26-37; FI =1.001
*Citeaza*: U. Kohlenbach, L. Leuştean, *A quantitative Mean Ergodic Theorem for uniformly convex Banach spaces*, **Ergodic Theory and Dynamical Systems 29** (2009), pag. 1907-1915

542. D. R. Sahu, V. Colao, G. Marino, Strong convergence theorems for approximating common fixed points of families of nonexpansive mappings and applications, **Journal of Global Optimization** (2012), DOI: 10.1007/s10898-012-9929-9; FI = 1.196

*Citeaza*: V. Colao, G. Lopez, L. Leuştean, V. Martin-Marquez, *Alternative iterative methods for nonexpansive mappings, rates of convergence and applications*, **Journal of Convex Analysis 18** (2011), pag. 465–487

543. D. R. Sahu, V. Colao, G. Marino, Strong convergence theorems for approximating common fixed points of families of nonexpansive mappings and applications, **Journal of Global Optimization** (2012), DOI: 10.1007/s10898-012-9929-9; FI = 1.196
*Citeaza*: L. Leuştean, *Rates of asymptotic regularity for Halpern iterations of nonexpansive mappings*, **Journal of Universal Computer Science 13** (2007), pag. 1680-169

544. L.Y. Shi, R. D. Chen, Strong convergence of viscosity approximation methods for nonexpansive mappings in CAT(0) spaces, **Journal of Applied Mathematics** (2012), Article ID 421050, DOI:10.1155/2012/421050; FI = 0.656
*Citeaza*: L. Leuştean, *A quadratic rate of asymptotic regularity in CAT(0)-spaces*, **Journal of Mathematical Analysis and Applications 325** (2007), pag. 386-399

545. J. F. Tang, S.S. Chang, H.W. Joseph Lee, C.K. Chan, Iterative algorithm and $\Delta$-convergence theorems for total asymptotically nonexpansive mappings in CAT(0) Spaces, **Abstract and Applied Analysis** (2012), Article ID 965751, DOI:10.1155/2012/965751; FI = 1.318
*Citeaza*: L. Leuştean, *A quadratic rate of asymptotic regularity in CAT(0)-spaces*, **Journal of Mathematical Analysis and Applications 325** (2007), pag. 386-399

546. P. Pasom, B. Panyanak, Common Fixed Points for Asymptotic Pointwise Nonexpansive Mappings in Metric and Banach Spaces, **Journal of Applied Mathematics** (2012), Article Number: 327434, DOI: 10.1155/2012/327434; FI = 0.656
*Citeaza*: L. Leuştean, *A quadratic rate of asymptotic regularity in CAT(0)-spaces*, **Journal of Mathematical Analysis and Applications 325** (2007), pag. 386-399

547. A.N. Marcoci, L.G. Marcoci, L-E. Persson, Besov-Schatten Spaces, **Journal of Function Spaces and Applications, vol. 2012**, (2012), Article ID 693251, 13 pages doi:10.1155/2012/693251, FI=0,667
*Citeaza* :S. Barza, L-E. Persson, N. Popa, *A matriceal analogue of Fejer's theory*, **Mathematische Nachrichten vol.260,** (2003), pag. 14-20.

548. M. Junge, T. Mei, BMO spaces associated with semigroups of operators, **Mathematische Annalen, vol. 352,** (2012), pag. 691-743; FI=1,297
*Citeaza*: N. Popa, *Non-commutative BMO space,* **Archiv der Mathematik, vol. 74,** (2000), pag.111-114.

549. MT Karaev, A Characterization of Some Function Classes, **Journal of Function Spaces and Applications, vol.2012,** (2012), Article ID 796798, 5 pages doi:10.1155/2012/796798; FI=0,667
*Citeaza*: N. Popa, *A characterization of upper triangular trace class matrices,* **Comptes Rendus Mathematique, vol. 347,** (2009), pag. 59-62.

550. J. Castro Perez, J. Rios Montes: *Prime submodules and local Gabriel correspondence in* $\sigma[M]$, **Comm. Algebra** 40 (2012), pp. 213 – 232; FI = 0.347
*Citeaza*: T. Albu, G. Krause, M.L. Teply: *Bijective relative Gabriel correspondence over rings with torsion theoretic Krull dimension*, **J. Algebra 243** (2001), pp. 644 – 674.

### 1.9.1    Autocitari

1. V. Dragan, H. Mukaidani, P. Shi, The Linear Quadratic Regulator Problem for a Class of Controlled Systems Modeled by Singularly Perturbed It Differential Equations, **SIAM Journal on Control and Optimization, 50,1**, (2012), 448–470; FI = 1,518
*Citeaza*: V. Dragan, T. Morozan, P. Shi, *Asymptotic properties of input-output operators norm associated with singularly perturbed systems with multiplicative white noise* **SIAM J.Control Optim., 41, 1**, (2002), pag. 141-163.

2. V. Dragan, H. Mukaidani, P. Shi, The Linear Quadratic Regulator Problem for a Class of Controlled Systems Modeled by Singularly Perturbed It Differential Equations, **SIAM Journal on Control and Optimization, 50, 1**, (2012), 448–470; FI = 1,518
*Citeaza* Peng Shi; Dragan, V., *Asymptotic $H_\infty$ control of singularly perturbed systems with parametric uncertainties*, **IEEE Trans. on Automatic Control, 44, 9** (1999), pag. 1738–1742.

3. V. Dragan, H. Mukaidani, P. Shi, The Linear Quadratic Regulator Problem for a Class of Controlled Systems Modeled by Singularly Perturbed It Differential Equations, **SIAM Journal on Control and Optimization, 50, 1**, (2012), 448– 470; FI = 1,518
*Citeaza*: Dragan Vasile, *The linear quadratic optimization problem for a class of singularly perturbed stochastic systems*, **INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL, 1, 1** (2005), pag. 53 –63.

4. Belinschi, S. T.; Popa, M.; Vinnikov, V. Infinite divisibility and a non-commutative Boolean-to-free Bercovici-Pata bijection. J. Funct. Anal. 262 (2012), no. 1, 94–123, FI:1.3
*Citeaza*:Popa, Mihai A combinatorial approach to monotonic independence over a C-algebra. Pacific J. Math. 237 (2008), no. 2, 299–325

5. Belinschi, S. T.; Popa, M.; Vinnikov, V. Infinite divisibility and a non-commutative Boolean-to-free Bercovici-Pata bijection. J. Funct. Anal. 262 (2012), no. 1, 94–123, FI: 1.3
*Citeaza*:Popa, Mihai A combinatorial approach to monotonic independence over a C-algebra. Pacific J. Math. 237 (2008), no. 2, 299325

6. Belinschi, S. T.: Popa, M.; Vinnikov, V. Infinite divisibility and a non-commutative Boolean-to-free Bercovici-Pata bijection. J. Funct. Anal. 262 (2012), no. 1, 94–123, FI: 1.3
*Citeaza*:Popa, Mihai; Wang, Jiun-Chau On multiplicative conditionally free convolution. Trans. Amer. Math. Soc. 363 (2011), no. 12, 6309–6335

7. Aprodu, M., Brinzanescu, V., Marchitan, M., Rank-two vector bundles on Hirzebruch surfaces, **Cent. Eur. J. Math. 10 (4)** (2012), 1321 – 1330; FI=0,440
*Citeaza*: Brinzanescu, V., Stoia, M., *Topologically trivial algebraic 2-vector bundles on ruled surfaces 2.*, **Lecture Notes in Mathematics 1056** (1984), pag. 34 – 46

8. Aprodu, M., Brinzanescu, V., Marchitan, M., Rank-two vector bundles on Hirzebruch surfaces, **Cent. Eur. J. Math. 10 (4)** (2012), 1321 – 1330; FI=0,440
*Citeaza*: Brinzanescu,V., Stoia, M., *Topologically trivial algebraic 2-vector bundles on ruled surfaces 1.*, **Revue Roum. Math. Pures Appl. 29 (8)** (1984), pag. 661 – 673

9. Michel Ledoux and Ionel Popescu, The One Dimensional Free Poincaré Inequality, **Transaction of AMS** in press; FI = 1.093
*Citeaza*: Stavros Garoufalidis and Ionel Popescu: *Analyticity of Planar Limits of a Matrix Model*, **Annales Henri Poincaré** (2012), online first;

10. Michel Ledoux and Ionel Popescu, The One Dimensional Free Poincaré Inequality, **Transaction of AMS** in press; FI = 1.093
*Citeaza*: Michel Ledoux and Ionel Popescu *Mass Transportation Proofs of Free Functional Inequalities, and Free Poincaré Inequalities*, **Journal of Functional Analysis 257** (2009), pag. 1175-1221;

11. Isabelle Gruais, Dan Poliševski,Asymptotic heat equation for crossing superconductive thin walls, **Applicable Analysis 91** (2012), pag. 2029 – 2043; FI = 0.744
*Citeaza*: Fadila Bentalha, Isabelle Gruais, Dan Poliševski, *Homogenization of a conductive suspension in a Stokes-Boussinesq flow*, **Applicable Analysis 85** (2006), pag. 811 – 830

12. Isabelle Gruais, Dan Poliševski,Asymptotic heat equation for crossing superconductive thin walls, **Applicable Analysis 91** (2012), pag. 2029 – 2043; FI = 0.744
*Citeaza*: Fadila Bentalha, Isabelle Gruais, Dan Poliševski, *Diffusion in a highly rarefied binary structure of general periodic shape*, **Applicable Analysis 87** (2008), pag. 635 – 655

13. Isabelle Gruais, Dan Poliševski,Asymptotic heat equation for crossing superconductive thin walls, **Applicable Analysis 91** (2012), pag. 2029 – 2043; FI = 0.744
*Citeaza*: Isabelle Gruais, Dan Poliševski, *Homogenizing a critical binary structure of finite diffusivities*, **Asymptotic Analysis 55** (2007), pag. 85 – 101

14. Isabelle Gruais, Dan Poliševski,Asymptotic heat equation for crossing superconductive thin walls, **Applicable Analysis 91** (2012), pag. 2029 – 2043; FI = 0.744
*Citeaza*: Isabelle Gruais, Dan Poliševski, *Homogenizing media containing a highly conductive honeycomb substructure*, **Asymptotic Analysis 67** (2010), pag. 33 – 43

15. G. Panasenko, R. Stavre, Asymptotic analysis of the Stokes in a thin cylindrical elastic tube, **Appl. Anal., 91** (2012), pag. 1999 – 2027; FI = 0.744
*Citeaza*: G. Panasenko, Y. Sirakov, R. Stavre, *Asymptotic and numerical modelling of a flow in a thin channel with visco-elastic wall*, **Int. J. for Multiscale Comput. Engng., 5** (2007), pag. 473 – 482.

16. R. Fares, G. Panasenko, R. Stavre, A viscous fluid flow through a thin channel with mixed (rigid-elastic) boundary. Variational and asymptotic analysis, **Abstract and Applied Analysis 2012** (2012), ID 152743, 47 p.; FI = 1.318
*Citeaza*: G. P. Panasenko, R. Stavre, *Asymptotic analysis of a periodic flow in a thin channel with visco-elastic wall*, **J. Math. Pures Appl. 85** (2006), pag. 558 – 579.

17. R. Fares, G. Panasenko, R. Stavre, A viscous fluid flow through a thin channel with mixed (rigid-elastic) boundary. Variational and asymptotic analysis, **Abstract and Applied Analysis 2012** (2012), ID 152743, 47 p.; FI = 1.318
*Citeaza*: Grigory Panasenko, Ruxandra Stavre: *Asymptotic analysis of the Stokes flow with variable viscosity in a thin elastic channel*, **Networks and Heterogeneous Media, 5** (2010), pag. 783 – 812.

18. G.P. Panasenko, R. Stavre, Asymptotic analysis of a viscous fluidthin plate interaction: Periodic flow, **C. R. Mécanique 340** (2012), pag. 590 – 595; FI = 0.799
*Citeaza*: G. P. Panasenko, R. Stavre, *Asymptotic analysis of a periodic flow in a thin channel with visco-elastic wall*, **J. Math. Pures Appl. 85** (2006), pag. 558 – 579.

19. G.P. Panasenko, R. Stavre, Asymptotic analysis of the Stokes flow in a thin cylindrical elastic tube, **Appl. Anal., 91** (2012), pag. 1999 – 2027; FI = 0.744
*Citeaza*: G. P. Panasenko, R. Stavre, *Asymptotic analysis of a periodic flow in a thin channel with visco-elastic wall*, **J. Math. Pures Appl. 85** (2006), pag. 558 – 579.

20. G.P. Panasenko, R. Stavre, Asymptotic analysis of the Stokes flow in a thin cylindrical elastic tube, **Appl. Anal., 91** (2012), pag. 1999 – 2027; FI = 0.744
*Citeaza*: Grigory Panasenko, Ruxandra Stavre: *Asymptotic analysis of the Stokes flow with variable viscosity in a thin elastic channel*, **Networks and Heterogeneous Media, 5** (2010), pag. 783 – 812.

21. R. Fares, G. Panasenko, R. Stavre, A viscous fluid flow through a thin channel with mixed (rigid-elastic) boundary. Variational and asymptotic analysis, **Abstract and Applied Analysis 2012** (2012), ID 152743, 47 p.; FI = 1.318
*Citeaza*: G.P. Panasenko, R. Stavre, *Well posedness and asymptotic expansion of solution of Stokes equation set in a thin cylindrical elastic tube*, **Around the Research of Vladimir Maz'ya II/International Mathematical Series, Volume 12**, editor: Ari Laptev, Springer (2010), pag. 275 – 301 ISBN: 978-1-4419-1342-5.

22. L. Badea and R. Krause, One- and two-level Schwarz methods for variational inequalities of the second kind and their application to frictional contact, **Numer. Math., 120**, 4 (2012), pp. 573-599, FI= 1.321
*Citeaza*: Badea, L., Convergence rate of a multiplicative Schwarz method for strongly nonlinear inequalities. In: Barbu, V., et al. (eds.) **Analysis and optimization of differential systems**, Kluwer Academic Publishers (2003) pp. 31-42.

23. L. Badea and R. Krause, One- and two-level Schwarz methods for variational inequalities of the second kind and their application to frictional contact, **Numer. Math., 120**, 4 (2012), pp. 573-599, FI= 1.321
*Citeaza*: Badea, L., Convergence rate of a Schwarz multilevel method for the constrained minimization of non-quadratic functionals. **SIAM J. Numer. Anal.**, **44**, (2006), pp. 449-477

24. L. Badea and R. Krause, One- and two-level Schwarz methods for variational inequalities of the second kind and their application to frictional contact, **Numer. Math., 120**, 4 (2012), pp. 573-599, FI= 1.321
*Citeaza*: Badea, L., Schwarz methods for inequalities with contraction operators. **J. Comp. Appl. Math.**, **215**, (2008) pp. 196-219

25. L. Badea and R. Krause, One- and two-level Schwarz methods for variational inequalities of the second kind and their application to frictional contact, **Numer. Math., 120**, 4 (2012), pp. 573-599, FI= 1.321
*Citeaza*: Badea, L., One- and two-level domain decomposition methods for nonlinear

problems. In: Topping, B.H.V., Ivanyi, P., (eds.), **Proceedings of the First International Conference on Parallel, Distributed and Grid Computing for Engineering**, Civil-Comp Press, Stirlingshire, UK (2009), Paper 6, ISBN: 978-1-905088-29-4.

26. L. Badea and R. Krause, One- and two-level Schwarz methods for variational inequalities of the second kind and their application to frictional contact, **Numer. Math., 120**, 4 (2012), pp. 573-599, FI= 1.321
*Citeaza*: Badea, L., Krause, R., One- and two-level multiplicative Schwarz methods for variational and quasi-variational inequalities of the second kind: Part I and II, **Preprint, Institute for Numerical Simulation, University of Bonn**, (2008).

27. Liviu Ornea, M. Verbitsky: *Automorphisms of locally conformally Kaehler manifolds*, **International Mathematics Research Notices 4** (2012), 894–903. FI=1,014
*Citeaza*: S. Dragomir, Liviu Ornea, *Locally conformal Kaehler geometry* **Birhauser** (1998).

28. Liviu Ornea, M. Verbitsky: *Automorphisms of locally conformally Kaehler manifolds*, **International Mathematics Research Notices 4** (2012), 894–903. FI=1,014
*Citeaza*: R. Gini, Liviu Ornea, M. Parton, *Locally conformally Kaehler reduction*, **J. Reine Angew. Math. Volume: 581** (2005), 1–21.

29. Liviu Ornea, M. Verbitsky: *Automorphisms of locally conformally Kaehler manifolds*, **International Mathematics Research Notices 4** (2012), 894–903. FI=1,014
*Citeaza*: Y. Kamishima, Liviu Ornea *Geometric flow on compact locally conformally Kahler manifolds*, **TOHOKU MATHEMATICAL JOURNAL Volume: 57 Issue: 2** (2005) 201–221.

30. Liviu Ornea, M. Verbitsky: *Automorphisms of locally conformally Kaehler manifolds*, **International Mathematics Research Notices 4** (2012), 894–903. FI=1,014
*Citeaza*: A. Moroianu, Liviu Ornea: *Transformations of locally conformally Kaehler manifolds*, **Manuscripta Mathematica 130** (2009), 93–100.

31. Liviu Ornea, M. Verbitsky: *Automorphisms of locally conformally Kaehler manifolds*, **International Mathematics Research Notices 4** (2012), 894–903. FI=1,014
*Citeaza*: Liviu Ornea, M. Verbitsky, *Locally conformal Kahler manifolds with potential*, **MATHEMATISCHE ANNALEN Volume: 348 Issue: 1** (2010), 25–33.

32. Liviu Ornea, M. Verbitsky: *Automorphisms of locally conformally Kaehler manifolds*, **International Mathematics Research Notices 4** (2012), 894–903. FI=1,014
*Citeaza*: Liviu Ornea, M. Verbitsky: *Morse-Novikov cohomology of locally conformally Kaehler manifolds* , **Journal of Geometry and Physics 59, No. 3** (2009), 295–305.

33. Mihai Prunescu: $\mathbb{F}_p$-affine recurrent $n$-dimensional sequences over $\mathbb{F}_q$ are $p$-automatic **European Journal of Combinatorics, 34, 1** (2013), pag. $260 - 284$; FI $= 0.677$.
*Citeaza* Mihai Prunescu *Undecidable properties of recurrent double sequences* **Notre Dame Journal of Formal Logic 49** (2008), pag. $143 - 151$

34. Mihai Prunescu: $\mathbb{F}_p$-affine recurrent $n$-dimensional sequences over $\mathbb{F}_q$ are $p$-automatic **European Journal of Combinatorics 34, 1** (2013), pag. $260 - 284$; FI $= 0.677$.
*Citeaza* Mihai Prunescu *Self-similar carpets over finite fields* **European Journal of Combinatorics 30** (2009), pag. $866 - 878$

35. Mihai Prunescu: $\mathbb{F}_p$-affine recurrent $n$-dimensional sequences over $\mathbb{F}_q$ are $p$-automatic **European Journal of Combinatorics 34, 1** (2013), pag. 260 – 284; FI = 0.677.
*Citeaza* Mihai Prunescu *Recurrent double sequences that can be produced by context-free substitutions* **Fractals 18** (2010), pag. 65 – 73

36. Mihai Prunescu: $\mathbb{F}_p$-affine recurrent $n$-dimensional sequences over $\mathbb{F}_q$ are $p$-automatic **European Journal of Combinatorics 34, 1** (2013), pag. 260 – 284; FI = 0.677.
*Citeaza* Mihai Prunescu *Recurrent two-dimensional sequences generated by homomorphisms of finite abelian p-groups with periodic initial conditions* **Fractals 19** (2011), pag. 431 – 442

37. Mihai Prunescu: $\mathbb{F}_p$-affine recurrent $n$-dimensional sequences over $\mathbb{F}_q$ are $p$-automatic **European Journal of Combinatorics 34, 1** (2013), pag. 260 – 284; FI = 0.677.
*Citeaza* Mihai Prunescu *Linear recurrent double sequences in $M_2(\mathbb{F}_2)$ are classified according to their geometric content* **Symmetry 3** (2011), pag. 402 – 442

38. Mihai Prunescu: $\mathbb{F}_p$-affine recurrent $n$-dimensional sequences over $\mathbb{F}_q$ are $p$-automatic **European Journal of Combinatorics 34, 1** (2013), pag. 260 – 284; FI = 0.677.
*Citeaza* Mihai Prunescu *The Thue-Morse-Pascal double sequence and similar structures* **Comptes Rendus - Mathematique 349** (2011), pag. 939 – 942

39. Enescu, Florian *A finiteness condition on local cohomology in positive characteristic. J. Pure Appl. Algebra 216 (2012)*, no. 1, 115–118.
*Citeaza* Enescu, Florian; Hochster, Melvin: *The Frobenius structure of local cohomology* **Algebra & Number Theory (2008)**, no. 7, 721–754.

40. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems, vol. 32**, (2012), 2485-2502; FI = 0,941.
*Citeaza*: E. Mihailescu, *Unstable manifolds and Hölder structures associated to noninvertible maps*, **Discrete and Continuous Dynamical Systems, vol. 14** (2006), pag. 419 – 446.

41. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems, vol. 32**, (2012), 2485-2502; FI = 0,941.
*Citeaza*: E. Mihailescu, *Metric properties of some fractal sets and applications of inverse pressure*, **Mathematical Proceedings of the Cambridge Philosophical Society, vol. 148**, (2010), pag. 553-572.

42. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems, vol. 32**, (2012), 2485-2502; FI = 0,941.
*Citeaza*: E. Mihailescu si M. Urbanski, *Inverse pressure estimates and the independence of stable dimension for non-invertible maps*, **Canadian Journal of Mathematics, vol. 60**, (2008), pag. 658–684.

43. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems, vol. 32**, (2012), 2485-2502; FI = 0,941.
*Citeaza*: E. Mihailescu, *Physical measures for multivalued inverse iterates near hyperbolic repellors*, **Journal of Statistical Physics, 139**, (2010), pag. 800–819.

44. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems, vol. 32**, (2012), 2485-2502; FI = 0,941.
*Citeaza*: E. Mihailescu si M. Urbanski, *Relations between stable dimension and the preimage counting function on basic sets with overlaps*, **Bulletin of the London Mathematical Society, 42**, (2010), 15–27.

45. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems, vol. 32**, (2012), 2485-2502; FI = 0,941.
*Citeaza*: E. Mihailescu si M. Urbanski, *Estimates for the stable dimension for holomorphic maps*, **Houston Journal of Mathematics, Vol. 31**, (2005), pag. 367–389.

46. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems, vol. 32**, (2012), 2485-2502; FI = 0,941.
*Citeaza*: E. Mihailescu si M. Urbanski, *Transversal families of hyperbolic skew products*, **Discrete and Continuous Dynamical Systems, vol. 21**, (2008), pag. 907–928.

47. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems, vol. 32**, (2012), 2485-2502; FI = 0,941.
*Citeaza*: E. Mihailescu si M. Urbanski, *Hausdorff dimension of the limit set for conformal iterated function systems with overlaps*, **Proceedings of the American Mathematical Society, vol. 139**, (2011), pag. 2767-2775.

48. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems, vol. 32**, (2012), 2485-2502; FI = 0,941.
*Citeaza*: E. Mihailescu, *The set $K^-$ for hyperbolic non-invertible maps*, **Ergodic Theory and Dynamical Systems**, (2002), pag. 873–888.

49. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems, vol. 32**, (2012), 2485-2502; FI = 0,941.
*Citeaza*: E. Mihailescu, *Local geometry and dynamical behavior on folded basic sets*, **Journal of Statistical Physics, 142**, (2011), 154–167.

50. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems, vol. 32**, (2012), 2485-2502; FI = 0,941.

*Citeaza*: E. Mihailescu, *Periodic points for actions of tori in Stein manifolds*, **Mathematische Annalen, 314** (1999), 39–52.

51. E. Mihailescu, Equilibrium measures, prehistories distributions and fractal dimensions for endomorphisms, **Discrete and Continuous Dynamical Systems, vol. 32**, (2012), 2485-2502; FI = 0,941.
    *Citeaza*: E. Mihailescu and M. Urbanski, *Inverse topological pressure with applications to holomorphic dynamics in several variables*, **Communications in Contemporary Mathematics, 6**, (2004), 653–679.

52. E. Mihailescu, On some coding and mixing properties on folded fractals, **Monatshefte fuer Mathematik, 167**, (2012), pag. 241–255; FI = 0, 615.
    *Citeaza*: E. Mihailescu si M. Urbanski, *Transversal families of hyperbolic skew products*, **Discrete and Continuous Dynamical Systems, vol. 21**, (2008), pag. 907–928.

53. E. Mihailescu, On some coding and mixing properties on folded fractals, **Monatshefte fuer Mathematik, 167**, (2012), pag. 241–255; FI = 0, 615.
    *Citeaza*: E. Mihailescu, *Metric properties of some fractal sets and applications of inverse pressure*, **Mathematical Proceedings of the Cambridge Philosophical Society, vol. 148**, (2010), pag. 553-572.

54. E. Mihailescu, On some coding and mixing properties on folded fractals, **Monatshefte fuer Mathematik, 167**, (2012), pag. 241–255; FI = 0, 615.
    *Citeaza*: E. Mihailescu, *Unstable manifolds and Hölder structures associated to noninvertible maps*, **Discrete and Continuous Dynamical Systems, vol. 14** (2006), pag. 419 – 446.

55. E. Mihailescu, On some coding and mixing properties on folded fractals, **Monatshefte fuer Mathematik, 167**, (2012), pag. 241–255; FI = 0, 615.
    *Citeaza*: E. Mihailescu si M. Urbanski, *Relations between stable dimension and the preimage counting function on basic sets with overlaps*, **Bulletin of the London Mathematical Society, 42**, (2010), 1527.

56. E. Mihailescu, On some coding and mixing properties on folded fractals, **Monatshefte fuer Mathematik, 167**, (2012), pag. 241–255; FI = 0, 615.
    *Citeaza*: E. Mihailescu, *Unstable directions and fractal dimension for skew products with overlaps in fibers*, **Mathematische Zeitschrift, vol. 269**, (2011), pag. 733-750.

57. E. Mihailescu, Approximations of Gibbs states of arbitrary Hölder potentials on hyperbolic folded sets, **Discrete and Continuous Dynamical Systems 32**, (2012), pag. 961–975; FI = 0, 941.
    *Citeaza*: E. Mihailescu, *On a class of stable conditional measures*, **Ergodic Theory and Dynamical Systems 31** (2011), pag. 1499–1515;

58. E. Mihailescu, Approximations of Gibbs states of arbitrary Hölder potentials on hyperbolic folded sets, **Discrete and Continuous Dynamical Systems 32**, (2012), pag.

961–975; FI = 0, 941.

*Citeaza*: E. Mihailescu, *Unstable manifolds and Hölder structures associated to noninvertible maps*, **Discrete and Continuous Dynamical Systems, vol. 14** (2006), pag. 419 – 446.

59. E. Mihailescu, Approximations of Gibbs states of arbitrary Hölder potentials on hyperbolic folded sets, **Discrete and Continuous Dynamical Systems 32**, (2012), pag. 961–975; FI = 0, 941.

*Citeaza*: E. Mihailescu si M. Urbanski, *Transversal families of hyperbolic skew products*, **Discrete and Continuous Dynamical Systems, vol. 21**, (2008), pag. 907–928.

60. E. Mihailescu, Approximations of Gibbs states of arbitrary Hölder potentials on hyperbolic folded sets, **Discrete and Continuous Dynamical Systems 32**, (2012), pag. 961–975; FI = 0, 941.

*Citeaza*: E. Mihailescu, *The set $K^-$ for hyperbolic non-invertible maps*, **Ergodic Theory and Dynamical Systems**, (2002), pag. 873–888.

61. E. Mihailescu, Inverse limits and statistical properties for chaotic implicitly defined economic models, **Journal of Mathematical Analysis and Applications 394**, (2012), pag. 517–528; FI = 1, 305.

*Citeaza*: E. Mihailescu, *Unstable directions and fractal dimension for skew products with overlaps in fibers*, **Mathematische Zeitschrift, vol. 269**, (2011), pag. 733-750.

62. E. Mihailescu, Inverse limits and statistical properties for chaotic implicitly defined economic models, **Journal of Mathematical Analysis and Applications 394**, (2012), pag. 517–528; FI = 1, 305.

*Citeaza*: E. Mihailescu, *Unstable manifolds and Hölder structures associated to noninvertible maps*, **Discrete and Continuous Dynamical Systems, vol. 14** (2006), pag. 419 – 446.

63. E. Mihailescu, Inverse limits and statistical properties for chaotic implicitly defined economic models, **Journal of Mathematical Analysis and Applications 394**, (2012), pag. 517–528; FI = 1, 305.

*Citeaza*: E. Mihailescu, *Physical measures for multivalued inverse iterates near hyperbolic repellors*, **Journal of Statistical Physics, 139**, (2010), pag. 800819.

64. I. Coandă, A simple proof of Tyurin's Babylonian tower theorem, **Commun. Algebra 40** (2012), 4668 – 4672; FI = 0.347 (2011)/ 0.413 (5 years)

*Citeaza*: I. Coandă, *Infinitely stably extendable vector bundles on projective spaces*, **Arch. math. 94** (2010), pag. 539 – 545

65. I. Coandă, A simple proof of Tyurin's Babylonian tower theorem, **Commun. Algebra 40** (2012), 4668 – 4672; FI = 0.347 (2011)/ 0.413 (5 years)

*Citeaza*: I. Coandă, G. Trautmann, *The splitting criterion of Kempf and the Babylonian tower theorem*, **Commun. Algebra 34** (2006), pag. 2485 – 2488

66. Cornean, Horia D.; Duclos, Pierre; Purice, Radu, Adiabatic Non-Equilibrium Steady States in the Partition Free Approach, **Annales Henri Poincare 13** (2012); p.827-856;

FI= 1.211

*Citeaza*: Cornean, H. D.; Duclos, P.; Nenciu, G.; Purice, R., *Adiabatically switched-on electrical bias and the Landauer-Buttiker formula*, **Journal of Mathematical Physics 49** (2008).

67. Golenia, Sylvain; Moroianu, Sergiu, THE SPECTRUM OF SCHRODINGER OPERATORS AND HODGE LAPLACIANS ON CONFORMALLY CUSP MANIFOLDS **TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY 364** 1 (2012) 1–29
*Citeaza*: Moroianu, S, *K-Theory of suspended pseudo-differential operators* **K-THEORY 28** 2 (2003), 167–181

68. Golenia, Sylvain; Moroianu, Sergiu, THE SPECTRUM OF SCHRODINGER OPERATORS AND HODGE LAPLACIANS ON CONFORMALLY CUSP MANIFOLDS **TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY 364** 1 (2012) 1–29
*Citeaza*: Moroianu, Sergiu, *Weyl laws on open manifolds*, **MATHEMATISCHE ANNALEN 340** 1 (2008), 1–21

69. Golenia, Sylvain; Moroianu, Sergiu, THE SPECTRUM OF SCHRODINGER OPERATORS AND HODGE LAPLACIANS ON CONFORMALLY CUSP MANIFOLDS **TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY 364** 1 (2012) 1–29
*Citeaza*: Golenia, Sylvain; Moroianu, Sergiu *Spectral analysis of magnetic Laplacians on conformally cusp manifolds* **ANNALES HENRI POINCARE 9** 1 (2008), 131–179.

70. P. Stanica, S. Gangopadhyay, A. Chaturvedi, A.K. Gangopadhyay, S. Maitra, *Investigations on bent and negabent functions via the nega-Hadamard transform*, IEEE Transactions Inform. Theory 58:6 (2012), 4064-4072; FI=3.003.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

71. V. Alexandru, N. Popescu, M. Vajaitu, A. Zaharescu, *Representation Results for Equivariant Rigid Analytic Functions*, **Algebr. Represent. Theory 15** (2012), 137 –145; FI=0.595
*Citeaza*: M. Vajaitu, A. Zaharescu, *On Krasner analytic functions and the p-adic Mellin transform*, **Mathematical Journal of Ibaraki University 37** (2005), pag. 23 –33.

72. V. Alexandru, N. Popescu, M. Vajaitu, A. Zaharescu: *On the zeros of Krasner analytic functions*, **Algebr. Represent. Theory**, to appear; FI = 0.595
*Citeaza*: S Achimescu, V Alexandru, N Popescu, M Vajaitu, A. Zaharescu, *The behavior of rigid analytic functions around orbits of elements of Cp*, **Rend. sem. Mat. Univ. Padova 127** (2012), pag. 193 – 211.

73. M. Vajaitu: *Integral representations and the behavior of Krasner analytic functions around singular points*, **Algebr. Represent. Theory**, to appear; FI = 0.595
*Citeaza*: V. Alexandru, N. Popescu, M. Vajaitu, A. Zaharescu, *The p-adic measure on the orbit of an element of $C_p$*, **Rend. sem. Mat. Univ. Padova 118** (2007), pag. 197 – 216.

74. M. Vajaitu: *Integral representations and the behavior of Krasner analytic functions around singular points*, **Algebr. Represent. Theory**, to appear; FI = 0.595
*Citeaza*: S Achimescu, V Alexandru, N Popescu, M Vajaitu, A. Zaharescu, *The behavior of rigid analytic functions around orbits of elements of Cp*, **Rend. sem. Mat. Univ. Padova 127** (2012), pag. 193 – 211.

75. M. Vajaitu: *Integral representations and the behavior of Krasner analytic functions around singular points*, **Algebr. Represent. Theory**, to appear; FI = 0.595
*Citeaza*: Marian Vajaitu, Alexandru Zaharescu: *Non-Archimedean Integration and Applications*, Editura Academiei Romane (2007), pag. 120 ISBN:(13) 978-973-27-1466-9

76. M. Vajaitu: *Integral representations and the behavior of Krasner analytic functions around singular points*, **Algebr. Represent. Theory**, to appear; FI = 0.595
*Citeaza*: M. Vajaitu, On the $C_p$-Banach algebra of the $r$-Lipschitz functions, **Bull. Math. Soc. Sci. Math., Thome 53(101), no.3** (2010), pag. 293–301.

77. S. Marchiafava, L. Ornea, R. Pantilie, Twistor Theory for CR quaternionic manifolds and related structures, **Monatsh. Math. 167** (2012), pag. 531–545; FI = 0.616
*Citeaza*: R. Pantilie, J. C. Wood, *Twistorial harmonic morphisms with one-dimensional fibres on self-dual four-manifolds*, **Q. J. Math. (Oxford) 57** (2006), pag. 105–132

78. S. Marchiafava, L. Ornea, R. Pantilie, Twistor Theory for CR quaternionic manifolds and related structures, **Monatsh. Math. 167** (2012), 531–545; FI = 0.616
*Citeaza*: E. Loubeau, R. Pantilie *Harmonic morphisms between Weyl spaces and twistorial maps II*, **Ann. Inst. Fourier (Grenoble)** (2010), pag. 433–453

79. R. Pantilie, Generalized quaternionic manifolds, **Ann. Mat. Pura Appl.**, DOI 10.1007/s10231-012-0294-6; FI = 0.838
*Citeaza*: S. Marchiafava, L. Ornea, R. Pantilie *Twistor Theory for CR quaternionic manifolds and related structures*, **Monatsh. Math. 167** (2012), pag. 531–545

80. S. Marchiafava, L. Ornea, R. Pantilie, Twistor Theory for CR quaternionic manifolds and related structures, **Monatsh. Math. 167** (2012), pag. 531–545; FI = 0.616
*Citeaza*: S. Ianus, S. Marchiafava, L. Ornea, R. Pantilie *Twistorial maps between quaternionic manifolds*, **Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) IX** (2010), pag. 47–67

81. R. Pantilie, Generalized quaternionic manifolds, **Ann. Mat. Pura Appl.**, DOI 10.1007/s10231-012-0294-6; FI = 0.838
*Citeaza*: S. Ianus, S. Marchiafava, L. Ornea, R. Pantilie *Twistorial maps between quaternionic manifolds*, **Ann. Sc. Norm. Super. Pisa Cl. Sci. (5) IX** (2010), pag. 47–67

82. R. Pantilie, Generalized quaternionic manifolds, **Ann. Mat. Pura Appl.**, DOI 10.1007/s10231-012-0294-6; FI = 0.838
*Citeaza*: L. Ornea, R. Pantilie *On holomorphic maps and Generalized Complex Geometry*, **J. Geom. Phys. 61** (2011), pag. 1502–1515

83. R. Pantilie, Generalized quaternionic manifolds, **Ann. Mat. Pura Appl.**, DOI 10.1007/s10231-012-0294-6; FI = 0.838

*Citeaza*: P. Baird, R. Pantilie *Harmonic morphisms on heaven spaces*, **Bull. London Math. Soc. 41** (2009), pag. 198–204

84. M. Coltoiu,C.Joita, The disk property of coverings of 1-convex surfaces, **Proc. AMS 140, no.2** (2012),575-580;FI=0.611 *Citeaza*:M.Coltoiu, *Coverings of 1-convex manifolds with 1-dimensional exceptional set*, **Comment. Math. Helv. 68,no.3**(1993),469-479.

85. M. Coltoiu,C.Joita, The disk property of coverings of 1-convex surfaces, **Proc. AMS 140, no.2** (2012),575-580;FI=0.611 *Citeaza*:M.Coltoiu,K.Diederich, *On the coverings of proper families of 1-dimesnional complex spaces*, **Mich. J. Math. 47, no.2** (2000),369-375.

86. M. Coltoiu,C. Joita,The disk property of 1-convex surfaces, **Proc. AMS 140, no.2** (2012),575-580;FI=0.611
*Citeaza*:M. Coltoiu,M.Tibar, *On the disk theorem*, **Math. Ann. 345, no.1** (2009),175-183.

87. M. Coltoiu,C.Joita,M.Tibar, q-convexity properties of a link singularity, **Publ. Res. Inst. Math. Sci. 48, no.2** (2012), 409-417;FI=0.450 *Citeaza*: M. Coltoiu, K. Diederich, *On the coverings of proper families of 1-dimensional complex spaces*, **Mich. J. Math. 47, no.2** (2000),369-375.

88. M. Coltoiu,C.Joita,M.Tibar,q-convexity of a link singularity, **Publ. Res. Inst. Math. Sci. 48, no.2** (2012),409-417;FI=0.450 *Citeaza*:M. Coltoiu, K. Diederich, *Convexity properties of alalytic complements in Stein spaces*, **J. Fourier Anal. Appl. 1** (1995),153-160.

89. M. Coltoiu,C.Joita,M. Tibar,q-convexity of a link singularity, **Publ. Res. Inst. Math. Sci. 48, no.2** (2012),409-417;FI=0.450 *Citeaza*: M. Coltoiu, M. Tibar, *Steiness of the universal covering of the complement of a 2-dimensional singularity*, **Math. Ann. 345, no. 1** (2009),175-183.

90. F. Panaite, *Invariance under twisting for crossed products*, **Proceedings of the American Mathematical Society 140(3)** (2012), pag. 755–763; FI=0.611
*Citeaza*:
D. Bulacu, F. Panaite, F. Van Oystaeyen, *Generalized diagonal crossed products and smash products for quasi-Hopf algebras. Applications*, **Comm. Math. Phys. 266** (2006), pag. 355–399

91. F. Panaite, *Invariance under twisting for crossed products*, **Proceedings of the American Mathematical Society 140(3)** (2012), pag. 755–763; FI=0.611
*Citeaza*:
P. Jara, J. Lopez, F. Panaite, F. Van Oystaeyen, *On iterated twisted tensor products of algebras*, **Internat. J. Math. 19(9)** (2008), pag. 1053 – 1101

92. F. Panaite, *Invariance under twisting for crossed products*, **Proceedings of the American Mathematical Society 140(3)** (2012), pag. 755–763; FI=0.611
*Citeaza*:

D. Bulacu, F. Panaite, F. Van Oystaeyen, *Quasi-Hopf algebra actions and smash products*, **Comm. Algebra 28(2)** (2000), pag. 631 – 651

93. S. Burciu, On Normal Hopf Subalgebras of Semisimple Hopf Algebras, **Algebras and Representation Theory 15** (2012), 491 – 506; FI=0.595
*Citeaza*: S. Burciu, *On some Representations of the Drinfel'd Double*, **Journal of Algebra 296** (2006), pag. 480 – 504

94. S. Burciu, Depth one extensions of semisimple algebras and Hopf sublgebras, **Algebras and Representation Theory online first** (2012), pag. 1 – 12; FI=0.595
*Citeaza*: S. Burciu and L. Kadison, *Subgroups of depth three and more*, **Surveys in Differential Geometry 15** (2010), pag. 17– 36

95. S. Burciu, Depth one extensions of semisimple algebras and Hopf sublgebras, **Algebras and Representation Theory online first** (2012), pag. 1 – 12; FI=0.595
*Citeaza*: S. Burciu and L. Kadison, *Depth Two Hopf Subalgebras of Semisimple Hopf algebras*, **Journal of Algebra 322** (2009), pag. 162– 176

96. S. Burciu, Depth one extensions of semisimple algebras and Hopf sublgebras, **Algebras and Representation Theory online first** (2012), pag. 1 – 12; FI=0.595
*Citeaza*: S. Burciu and L. Kadison and B. Külshammer, *On subgroup depth*, **Int. Electr. J. Alg. 9** (2011), pag. 133 – 166

97. S. Burciu, Kernels of representations and coideal subalgebras of Hopf algebras, **Glasgow Math. J. 54** (2012), 107–119; FI=0.571
*Citeaza*: S. Burciu and L. Kadison and B. Külshammer, *On subgroup depth*, **Int. Electr. J. Alg. 9** (2011), pag. 133 – 166

98. S. Burciu, On Normal Hopf Subalgebras of Semisimple Hopf Algebras, **Algebras and Representation Theory 15** (2012), 491 – 506; FI=0.595
*Citeaza*: S. Burciu and L. Kadison and B. Külshammer, *On subgroup depth*, **Int. Electr. J. Alg. 9** (2011), pag. 133 – 166

99. S. Burciu, Kernels of representations and coideal subalgebras of Hopf algebras, **Glasgow Math. J. 54** (2012), pag. 107–119; FI=0.571
*Citeaza*: S. Burciu, *Normal Hopf subalgebras of semisimple Hopf Algebras*, **Proc. Amer. Math. Soc. 37** (2009), pag. 3969 – 3979

100. S. Burciu, On Normal Hopf Subalgebras of Semisimple Hopf Algebras, **Algebras and Representation Theory 15** (2012), 491 – 506; FI=0.595
*Citeaza*: S. Burciu, *Coset decomposition for semisimple Hopf algebras*, **Communications in Algebra 37** (2009), pag. 3573–3585

101. S. Burciu, Depth one extensions of semisimple algebras and Hopf sublgebras, **Algebras and Representation Theory online first, 31.08. 2012** (2012), pag. 1 – 12; FI=0.595
*Citeaza*: S. Burciu, *Coset decomposition for semisimple Hopf algebras*, **Communications in Algebra 37** (2009), pag. 3573–3585

102. Dorin Popescu, *Graph and depth of a square free monomial ideal*, **Proceedings of AMS,14**, (2012), 3813-3822; FI=0,611,

*Citeaza*: Herzog, Jurgen; Popescu, Dorin; Vladoiu, Marius, *Stanley depth and size of a monomial ideal*, **Proc. Amer. Math. Soc. 140** (2012), no. 2, 493504.

103. Dorin Popescu, *Graph and depth of a square free monomial ideal*, **Proceedings of AMS,14**, (2012), 3813-3822; FI=0,611,
*Citeaza*: Dorin Popescu, *An inequality between depth and Stanley depth*, **Bull. Math. Soc. Sc. Math. Roumanie 52(100)** (2009, 377-382.

104. Dorin Popescu, *Graph and depth of a square free monomial ideal*, **Proceedings of AMS,14**, (2012), 3813-3822; FI=0,611,
*Citeaza*: Dorin Popescu, *Stanley depth of multigraded modules*, **J. Algebra, 321** (2009), 2782-2797

105. Dorin Popescu, *Graph and depth of a square free monomial ideal*, **Proceedings of AMS,14**, (2012), 3813-3822; FI=0,611,
*Citeaza*: Dorin Popescu, Muhammad Qureshi, *Computing the Stanley depth*, **Journal of Algebra, 323** (2010), 2943-2959.

106. Herzog, Jurgen; Popescu, Dorin; Vladoiu, Marius, *Stanley depth and size of a monomial ideal*, **Proc. Amer. Math. Soc. 140** (2012), no. 2, 493–504; FI=0,611
*Citeaza*: Dorin Popescu, *Stanley depth of monomial ideals*, **Proceedings of the Sixth Congress of Romanian Mathematicians. Vol. 1**, 2007, 71-74, Ed. Academiei

107. L. David, A prolongation of the conformal-Killing operator on quaternionic-Kähler manifolds, **Annali di Matematica Pura ed Applicata 191** (2012), pag. 595-610; FI=0.838
*Citeaza* L. David: *Quaternionic connections, induced holomorphic structures and a vanishing theorem*, **International Journal of Mathematics 19** (2008), pag. 1167-1185;

108. L. David, A prolongation of the conformal-Killing operator on quaternionic-Kähler manifolds, **Annali di Matematica Pura ed Applicata 191** (2012), pag. 595-610; FI=0.838
*Citeaza* L. David, M. Pontecorvo: *A characterization of quaternionic projective space by the conformal-Killing equation*, **Journal of the London Mathematical Society 80**, (2009), pag. 326–340;

109. L. Maxim, J. Schürmann: Twisted genera of symmetric products, **Selecta Math. 18** (2012), pag. 283–317; FI = 0.879
*Citeaza*: S. Cappell, L. Maxim, J. Shaneson, *Equivariant genera of complex algebraic varieties*, **Int. Math. Res. Not. IMRN 2009** (2009), no. 11, 2013–2037.

110. L. Maxim, J. Schürmann: Twisted genera of symmetric products, **Selecta Math. 18** (2012), pag. 283–317; FI = 0.879
*Citeaza*: L. Maxim, M. Saito, J. Schürmann, *Symmetric products of mixed Hodge modules*, **J. Math. Pures Appl. 96** (2011), no. 5, 462–483.

111. N.C. Bonciocat, Y. Bugeaud, M. Cipu, M. Mignotte: *Some Pólya type irreducibility criteria for multivariate polynomials*, **Comm. Algebra. 40(10)** (2012), pag. 3733 – 3744; FI = 0.347
*Citează*: A.I. Bonciocat, N.C. Bonciocat, *Some classes of irreducible polynomials*, **Acta Arith. 123(4)**(2006), 349–360.

112. N.C. Bonciocat, Y. Bugeaud, M. Cipu, M. Mignotte: *Some Pólya type irreducibility criteria for multivariate polynomials*, **Comm. Algebra. 40(10)** (2012), pag. 3733 – 3744; FI = 0.347

    *Citează*: A.I. Bonciocat, N.C. Bonciocat, *A Capelli type theorem for multiplicative convolutions of polynomials*, **Math. Nachr. 281(9)** (2008), pag. 1240 – 1253.

113. N.C. Bonciocat, Y. Bugeaud, M. Cipu, M. Mignotte: *Some Pólya type irreducibility criteria for multivariate polynomials*, **Comm. Algebra. 40(10)** (2012), pag. 3733 – 3744; FI = 0.347

    *Citează*: N.C. Bonciocat, *On an irreducibility criterion of Perron for multivariate polynomials*, **Bull. Math. Soc. Sci. Math. Roumanie 53 (101) (3)** (2010), pag. 213 – 217.

114. N.C. Bonciocat, Y. Bugeaud, M. Cipu, M. Mignotte: *Some Pólya type irreducibility criteria for multivariate polynomials*, **Comm. Algebra. 40(10)** (2012), pag. 3733 – 3744; FI = 0.347

    *Citează*: N.C. Bonciocat, A. Zaharescu, *Irreducible multivariate polynomials obtained from polynomials in fewer variables*, **J. Pure Appl. Algebra 212(10)** (2008), pag. 2338 – 2343.

115. R. Diaconescu: *An axiomatic approach to structuring specifications*, **Theoretical Computer Science 433** (2012) pag.20–42; FI2011 = 0.665.

    *Citează*: R. Diaconescu, *Elementary diagrams in institutions*, **Journal of Logic and Computation 14(5)**, (2004) pag. 651–674.

116. R. Diaconescu: *An axiomatic approach to structuring specifications*, **Theoretical Computer Science 433** (2012) pag.20–42; FI2011 = 0.665.

    *Citează*: R. Diaconescu: *An institution-independent proof of Craig interpolation theorem*, **Studia Logica 77(1))**, (2004) pag. 59–79.

117. R. Diaconescu: *An axiomatic approach to structuring specifications*, **Theoretical Computer Science 433** (2012) pag.20–42; FI2011 = 0.665.

    *Citează*: R. Diaconescu: *Interpolation in Grothendieck institutions*, **Theoretical Computer Science 311**, (2004) pag. 439–461.

118. R. Diaconescu: *An axiomatic approach to structuring specifications*, **Theoretical Computer Science 433** (2012) pag.20–42; FI2011 = 0.665.

    *Citează*: R. Diaconescu, **Institution-independent Model Theory**, Birkhäuser, (2008).

119. R. Diaconescu: *An axiomatic approach to structuring specifications*, **Theoretical Computer Science 433** (2012) pag.20–42; FI2011 = 0.665.

    *Citează*: R. Diaconescu, I. Ţuţu: *On the Algebra of Structured Specifications*, **Theoretical Computer Science 412(28)** (2011), pag. 3145–3174.

120. R. Diaconescu: *An axiomatic approach to structuring specifications*, **Theoretical Computer Science 433** (2012) pag.20–42; FI2011 = 0.665.

    *Citează*: R. Diaconescu, K. Futatsugi: **CafeOBJ report: The Language, Proof Techniques, and Methodologies for Object-Oriented Algebraic Specification**, World Scientific (1998).

121. R. Diaconescu: *An axiomatic approach to structuring specifications*, **Theoretical Computer Science 433** (2012) pag.20–42; FI2011 = 0.665.
*Citează*: R. Diaconescu, J. Goguen, P. Stefaneas: *Logical support for modularization*, în **Logical Environments**, editori G. Huet şi G. Plotkin, (1993) Cambridge Univ. Press, pag. 83–130.

122. R. Diaconescu: *An axiomatic approach to structuring specifications*, **Theoretical Computer Science 433** (2012) pag.20–42; FI2011 = 0.665.
*Citează*: T. Mossakowski, J. Goguen, R. Diaconescu, A. Tarlecki: *What is a Logic?*, în **Logica Universalis**, editor Jean-Yves Beziau, Birkhäuser (2005) pag. 113–133.

123. R. Diaconescu: *An axiomatic approach to structuring specifications*, **Theoretical Computer Science 433** (2012) pag.20–42; FI2011 = 0.665.
*Citează*: T. Mossakowski, R. Diaconescu, A. Tarlecki: *What is a Logic Translation?*, **Logica Universalis 3(1)**, (2009) pag. 59–94.

124. R. Diaconescu: *An axiomatic approach to structuring specifications*, **Theoretical Computer Science 433** (2012) pag.20–42; FI2011 = 0.665.
*Citează*: M. Petria, R. Diaconescu: *Abstract Beth definability in institutions*, **Journal of Symbolic Logic 71(3)**, (2006), pag. 1002-1028.

125. R. Diaconescu: *Interpolation for predefined types*, **Mathematical Structures in Computer Science 22(1)**, (2012), pag. 1–24; FI2011 = 0.69.
*Citează*: R. Diaconescu, *Category-based constraint logic*, **Mathematical Structures in Computer Science 10(3)**, (2000) pag. 373–407.

126. R. Diaconescu: *Interpolation for predefined types*, **Mathematical Structures in Computer Science 22(1)**, (2012), pag. 1–24; FI2011 = 0.69.
*Citează*: R. Diaconescu, **Category-based semantics for equational and constraint logic programming**, Teză doctorat, Univ. Oxford, (1994).

127. R. Diaconescu: *Interpolation for predefined types*, **Mathematical Structures in Computer Science 22(1)**, (2012), pag. 1–24; FI2011 = 0.69.
*Citează*: R. Diaconescu, *Elementary diagrams in institutions*, **Journal of Logic and Computation 14(5)**, (2004) pag. 651–674.

128. R. Diaconescu: *Interpolation for predefined types*, **Mathematical Structures in Computer Science 22(1)**, (2012), pag. 1–24; FI2011 = 0.69.
*Citează*: R. Diaconescu, *Herbrand theorems in arbitrary institutions*, **Information Processing Letters 90**, (2004) pag. 29–37.

129. R. Diaconescu: *Interpolation for predefined types*, **Mathematical Structures in Computer Science 22(1)**, (2012), pag. 1–24; FI2011 = 0.69.
*Citează*: R. Diaconescu: *An institution-independent proof of Craig interpolation theorem*, **Studia Logica 77(1))**, (2004) pag. 59–79.

130. R. Diaconescu: *Interpolation for predefined types*, **Mathematical Structures in Computer Science 22(1)**, (2012), pag. 1–24; FI2011 = 0.69.
*Citează*: R. Diaconescu: *Interpolation in Grothendieck institutions*, **Theoretical Computer Science 311**, (2004) pag. 439–461.

131. R. Diaconescu: *Interpolation for predefined types*, **Mathematical Structures in Computer Science 22(1)**, (2012), pag. 1–24; FI2011 = 0.69.
*Citează*: R. Diaconescu, **Institution-independent Model Theory**, Birkhäuser, (2008).

132. R. Diaconescu: *Interpolation for predefined types*, **Mathematical Structures in Computer Science 22(1)**, (2012), pag. 1–24; FI2011 = 0.69.
*Citează*: Răzvan Diaconescu, Joseph Goguen, Petros Stefaneas, *Logical support for modularization*, în **Logical Environments**, editori G. Huet şi G. Plotkin, (1993) Cambridge Univ. Press, pag. 83–130.

133. R. Diaconescu: *Interpolation for predefined types*, **Mathematical Structures in Computer Science 22(1)**, (2012), pag. 1–24; FI2011 = 0.69.
*Citează*: M. Petria, R. Diaconescu: *Abstract Beth definability in institutions*, **Journal of Symbolic Logic 71(3)**, (2006), pag. 1002-1028.

134. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu: *Interpolation for predefined types*, **Mathematical Structures in Computer Science 22(1)**, (2012), pag. 1–24.

135. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu: *Category-based constraint logics*, **Mathematical Structures in Computer Science 10(3)** (2000), pag. 373–407.

136. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu, *Institution-independent ultraproducts*, **Fundamenta Informaticæ 55(3-4)**, (2003) pag. 321–348.

137. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu: *Elementary diagrams in institutions*, **J. Logic and Computation 14(5)**, (2004) pag. 651–674.

138. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu: *An institution-independent proof of Craig interpolation theorem*, **Studia Logica 77(1))**, (2004) pag. 59–79.

139. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu: *Interpolation in Grothendieck institutions*, **Theoretical Computer Science 311**, (2004) pag. 439–461.

140. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu, *Proof systems for institutional logic*, **Journal of Logic and Computation 16 (3)** (2006) pag. 339–357.

141. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu, **Institution-independent Model Theory**, Birkhäuser, (2008).

142. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu: *An encoding of partial algebras as total algebras*, **Information Processing Letters 109(23-24)** (2009), pag. 1245–1251.

143. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu, K. Futatsugi: **CafeOBJ report: The Language, Proof Techniques, and Methodologies for Object-Oriented Algebraic Specification**, World Scientific (1998).

144. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu, K. Futatsugi: *Logical foundations of CafeOBJ*, **Theoretical Computer Science 285(2)**, (2002) pag. 289-318.

145. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: Răzvan Diaconescu, Joseph Goguen, Petros Stefaneas, *Logical support for modularization*, în **Logical Environments**, editori G. Huet şi G. Plotkin, (1993) Cambridge Univ. Press, pag. 83–130.

146. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu, P. Stefaneas, *Ultraproducts and possible worlds semantics in institutions*, **Theoretical Computer Science 379(1)**, (2007) pag. 210–230.

147. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: R. Diaconescu, J. Goguen: *An Oxford survey of order sorted algebra*, **Mathematical Structures in Computer Science 4(4)** (1994) pag. 363–392

148. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: J. Goguen, R. Diaconescu: *Towards an algebraic semantics for the object paradigm*, **Lecture Notes in Computer Science 785**, (1994) pag. 1–34.

149. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: T. Mossakowski, J. Goguen, R. Diaconescu, A. Tarlecki: *What is a Logic?*, în **Logica Universalis**, editor Jean-Yves Beziau, Birkhäuser (2005) pag. 113–133.

150. R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586; FI2011 = 0.611.
*Citează*: M. Petria, R. Diaconescu: *Abstract Beth definability in institutions*, **Journal of Symbolic Logic 71(3)**, (2006), pag. 1002-1028.

151. Marian Aprodu, Ruxandra Moraru, Matei Toma: Two-dimensional moduli spaces of vector bundles over Kodaira surfaces, **Advances in Math. 231** (2012), pag. 1202 – 1215
*Citează*: Marian Aprodu, Vasile Brînzănescu, Matei Toma *Holomorphic vector bundles on primary Kodaira surfaces*, **Math. Z. 242** (2002), pag. 63 – 73

152. Marian Aprodu, Ruxandra Moraru, Matei Toma: Two-dimensional moduli spaces of vector bundles over Kodaira surfaces, **Advances in Math. 231** (2012), pag. 1202 – 1215
*Citează*: Marian Aprodu, Matei Toma, *Une note sur les fibrés holomorphes non-filtrables*, **C. R. Acad. Sci. Paris, I 336** (2003), pag. 581 – 584

153. Marian Aprodu, Vasile Brînzănescu, Marius Marchitan, *Rank-two vector bundles on Hirzebruch surfaces* **Central European J. Math. 10-4** (2012), pag. 1321 – 1330
*Citează*: Marian Aprodu, Vasile Brînzănescu, *Fibrés vectoriels de rang deux sur les surfaces reglees*, **C.R. Acad. Sci. Paris 323, Serie I** (1996), pag. 627 – 630

154. Marian Aprodu, Vasile Brînzănescu, Marius Marchitan, Rank-two vector bundles on Hirzebruch surfaces, **Central European J. Math. 10-4** (2012), pag. 1321 – 1330
*Citează*: Marian Aprodu, Vasile Brînzănescu, *Moduli spaces of vector bundles over ruled surfaces*, **Nagoya Math. J. 154** (1999), pag. 111 – 122

155. Marian Aprodu, Vasile Brînzănescu, Marius Marchitan, *Rank-two vector bundles on Hirzebruch surfaces* **Central European J. Math. 10-4** (2012), pag. 1321 – 1330
*Citează*: Marian Aprodu, Vasile Brînzănescu: *Beilinson type spectral sequences on scrolls*, **Moduli spaces and vector bundles**, editori: Leticia Brambila-Paz, Centro de Investigacion en Matematicas (CIMAT), Mexico, Steven B. Bradlow, University of Illinois, Urbana-Champaign, Oscar Garcia-Prada, Consejo Superior de Investigaciones Cientificas, Madrid, S. Ramanan, Chennai Mathematical Institute, India, London Math. Soc. Lecture Note Ser., 359, Cambridge Univ. Press, Cambridge, (2009), pag. 426 – 436, ISBN: 9780521734714

156. Marian Aprodu, Vasile Brînzănescu, Marius Marchitan, *Rank-two vector bundles on Hirzebruch surfaces* **Central European J. Math. 10-4** (2012), pag. 1321 – 1330
*Citează*: Marian Aprodu, Vasile Brînzănescu: *Stable rank-2 vector bundles over ruled surfaces*, **C. R. Acad. Sci. Paris Sér. I Math. 325-3** (1997), pag. 295 – 300.

157. Marian Aprodu, Vasile Brînzănescu, Marius Marchitan, Rank-two vector bundles on Hirzebruch surfaces **Central European J. Math. 10-4** (2012), pag. 1321 – 1330
*Citează*: Marian Aprodu, Marius Marchitan: *A note on vector bundles on Hirzebruch surfaces*, **C. R. Acad. Sci. Paris Ser. I Math. 349, no 11-12** (2011), pag. 687 – 690

158. Stan, Florin; Zaharescu, Alexandru, The Siegel norm of algebraic numbers, **Bull. Math. Soc. Sci. Math. Roumanie (N.S.) 55(103)** (2012), 69 – 77; FI=0.507
*Citeaza*: Stan, Florin; Zaharescu, Alexandru, *Siegel's trace problem and character values of finite groups*, **J. Reine Angew. Math. 637** (2009), pag. 217 – 234

159. U. Kohlenbach, L. Leuştean, Effective metastability of Halpern iterates in CAT(0) spaces, **Advances in Mathematics 231** (2012), pag. 2526-2556; FI =1.177

*Citeaza*: U. Kohlenbach, L. Leuştean, *A quantitative Mean Ergodic Theorem for uniformly convex Banach spaces*, **Ergodic Theory and Dynamical Systems 29** (2009), pag. 1907-1915

160. U. Kohlenbach, L. Leuştean, Effective metastability of Halpern iterates in CAT(0) spaces, **Advances in Mathematics 231** (2012), pag. 2526-2556; FI =1.177
*Citeaza*: U. Kohlenbach, L. Leuştean, *On the computational content of convergence proofs via Banach limits* , **Philosophical Transactions of the Royal Society A 370** (2012), pag. 3449-3463

161. U. Kohlenbach, L. Leuştean, Effective metastability of Halpern iterates in CAT(0) spaces, **Advances in Mathematics 231** (2012), pag. 2526-2556; FI =1.177
*Citeaza*: L. Leuştean, *Rates of asymptotic regularity for Halpern iterations of nonexpansive mappings*, **Journal of Universal Computer Science 13** (2007), pag. 1680-1691

162. U. Kohlenbach, L. Leuştean, On the computational content of convergence proofs via Banach limits, **Philosophical Transactions of the Royal Society A 370** (2012), pag. 3449-3463; FI = 2.773
*Citeaza*: U. Kohlenbach, L. Leuştean, *Effective metastability of Halpern iterates in CAT(0) spaces*, **Advances in Mathematics 231** (2012), pag. 2526-2556

163. U. Kohlenbach, L. Leuştean, On the computational content of convergence proofs via Banach limits, **Philosophical Transactions of the Royal Society A 370** (2012), pag. 3449-3463; FI = 2.773
*Citeaza*: U. Kohlenbach, L. Leuştean, *A quantitative Mean Ergodic Theorem for uniformly convex Banach spaces*, **Ergodic Theory and Dynamical Systems 29** (2009), pag. 1907-1915

164. U. Kohlenbach, L. Leuştean, On the computational content of convergence proofs via Banach limits, **Philosophical Transactions of the Royal Society A 370** (2012), pag. 3449-3463; FI = 2.773
*Citeaza*: L. Leuştean, *Proof mining in $\mathbb{R}$-trees and hyperbolic spaces*, **Electronic Notes in Theoretical Computer Science 165** (2006), pag. 95-106

165. N. Popa, A class of Schur multipliers on some quasi-Banach spaces of infinite matrices, **Journal of Function Spaces and Applications, vol. 2012,** (2012), Article ID 142731, 11 pages doi:10.1155/2012/142731, FI=0,667
*Citeaza*: S. Barza, V. Lie, N. Popa , *Approximation of infinite matrices by matricial Haar polynomials,* **Arkiv for Matematik, vol. 43,** (2005), pag. 251-269.

166. N. Popa, A class of Schur multipliers on some quasi-Banach spaces of infinite matrices, **Journal of Function Spaces and Applications, vol. 2012**,(2012), pag.11; Article ID 142731: doi: 10.1155/2012/142731: FI = 0,667
*Citeaza* :S. Barza, L-E. Persson, N. Popa, *A matriceal analogue of Fejer's theory*, **Mathematische Nachrichten vol.260,** (2003), pag. 14-20.

## 1.10   Citari aparute in alte publicatii

1. Sierra, Jos Carlos; Ugaglia, Luca: On globally generated vector bundles on projective spaces II, arXiv1203.0185S

*Citeaza:* Nicolae Manolache: Globally Generated Vector Bundles on $\mathbb{P}^3$ with $c_1 = 3$, arXiv:1202.5988 (2012)

Sierra, Jos Carlos; Ugaglia, Luca: On globally generated vector bundles on projective spaces II, arXiv1203.0185S
*Citeaza:* Cristian Anghel and Nicolae Manolache: Globally Generated Vector Bundles on $\mathbb{P}^n$ with $c_1 = 3$, arXiv:1202.6261 (2012)

2. S. Morey, R. H. Villarreal, Edge ideals: Algebraic and Combinatorial Properties, **Progress in Commutative Algebra 1 (Eds: C. Francisco, L. Klinger, S. Sather-Wagstaff, J, C, Vassiliev)**, de Gruyter, (2012), pag. 85–126
*Citeaza*: V. Ene, O. Olteanu, N. Terai, *Arithmetical rank of lexsegment edge ideals,* **Bull. Math. Soc. Sci. Math. Roumanie (N.S.) 53(101) no.4** (2010), pag. 315–327;

3. H. Mukaidani, T. Yamamoto, V. Dragan, *Nash strategy of multiparameter singularly perturbed Markov jump stochastic systems with state-and control-dependent noise,* **American Control Conference, ACC** , (2012), 1621–1626;
*Citeaza*: V. Dragan, T. Morozan, A.M. Stoica, MATHEMATICAL METHODS IN ROBUST CONTROL OF LINEAR STOCHASTIC SYSTEMS, **Mathematical Concepts and Methods in Science and Engineering, Series Editor: Angelo Miele, Volume 50, Springer Science+Business Media LLC,** (2006), carte.

4. S.L. KONG, Z.S. ZHANG, Optimal Control of Stochastic System with Markovian Jumping and Multiplicative Noises, **Acta Automatica Sinica,38, 7**, (2012), 1113–1118;
*Citeaza*: V. Dragan, T. Morozan, A.M. Stoica, MATHEMATICAL METHODS IN ROBUST CONTROL OF LINEAR STOCHASTIC SYSTEMS, **Mathematical Concepts and Methods in Science and Engineering, Series Editor: Angelo Miele, Volume 50, Springer Science+Business Media LLC,** (2006), carte.

5. A.M. Stoica, $H_2$ and $H_\infty$ Performance Analysis of Networked Control Systems with Fading Communication, **Advances in Control, Chemical Engineering, Civil Engineering and Mechanical Engineering**, 218–222
*Citeaza*: V. Dragan, T. Morozan, A.M. Stoica, *MATHEMATICAL METHODS IN ROBUST CONTROL OF DISCRETE-TIME LINEAR STOCHASTIC SYSTEMS,*, **Springer, New York,** (2010), 346 pagini.

6. B.G. Barbosa, E.F. Costa, On the stability of weakly observable Markov jump linear systems with bounded long run average cost, **American Control Conference (ACC),** (2012), 5961–5965
*Citeaza*: V. Dragan, T. Morozan, A.M. Stoica, *MATHEMATICAL METHODS IN ROBUST CONTROL OF DISCRETE-TIME LINEAR STOCHASTIC SYSTEMS,*, **Springer, New York,** (2010), 346 pagini.

7. H. Ma, Y. Jia, J. Du, F. Yu, Stochastic $H_\infty$ optimal control of discrete-time Markov jump systems with periodic coefficients, **American Control Conference (ACC),** (2012), 1640–1645
*Citeaza*: V. Dragan, T. Morozan, A.M. Stoica, *MATHEMATICAL METHODS IN ROBUST CONTROL OF DISCRETE-TIME LINEAR STOCHASTIC SYSTEMS,*, **Springer, New York,** (2010), 346 pagini.

8. S.L. KONG, Z.S. ZHANG, Optimal Control of Stochastic System with Markovian Jumping and Multiplicative Noises, **Acta Automatica Sinica, 38,7**, (2012), 1113–1118;
   *Citeaza*: V. Dragan, T. Morozan, *The linear quadratic optimization problems for a class of linear stochastic systems with multiplicative white noise and Markovian jumping*, **IEEE TRANSACTIONS ON AUTOMATIC CONTROL, 49, 5** (2004), pag. 665–675.

9. H. Mukaidani, H. Tanaka, T. Yamamoto, Decentralized H¡ inf¿ 2¡/inf¿ control for multi-channel stochastic systems via state feedback strategies: Application to multimodeling systems, **American Control Conference (ACC)**, (2012), 50–55;
   *Citeaza*: Dragan Vasile; Morozan Toader; Stoica Adrian, $H^2$ *optimal control for linear stochastic systems*, **Automatica J. IFAC, 40** (2004), pag. 1103–1113.

10. H. Ma, Y. Jia, J. Du, F. Yu, Stochastic $H_2$ optimal control of discrete-time Markov jump systems with periodic coefficients, **American Control Conference (ACC),** (2012), 1640–1645;
    *Citeaza*: Dragan Vasile; Morozan Toader; Stoica Adrian, $H^2$ *optimal control for linear stochastic systems*, **Automatica J. IFAC, 40** (2004), pag. 1103–1113.

11. W. Zhang, C. Tan, On stability and detectability of complex stochastic systems, **24 -th Chinese Control and Decision Conference (CCDC),** (2012), 4062–4067;
    *Citeaza*: Dragan Vasile; Morozan Toader; Stoica Adrian, $H^2$ *optimal control for linear stochastic systems*, **Automatica J. IFAC, 40** (2004), pag. 1103–1113.

12. G. Zhang, L. Liu, W. Liu, LINEAR QUADRATIC OPTIMAL CONTROL BASED ON DYNAMIC COMPENSATION, **International Journal of Innovative Computing, Information and Control, 8,5(B)**, (2012), 3743–3754
    *V. Dragan, T. Morozan The linear quadratic optimization problem for a class of discrete time stochastic linear systems,* **International Journal of Innovative Computing, Information and Control, 4, 9**, (2008), 2127-2137.

13. H. Ma, Y. Jia, J. Du, F. Yu, Stochastic H¡ inf¿ 2¡/inf¿ optimal control of discrete-time Markov jump systems with periodic coefficients, **American Control Conference (ACC),** (2012), 1640–1645
    *Citeaza*: Dragan Vasile ; Morozan Toader, *Observability and detectability of a class of discrete-time stochastic linear systems*, **IMA JOURNAL OF MATHEMATICAL CONTROL AND INFORMATION, 23, 3** (2006), pag. 371–394.

14. W. Narkiewicz, Rational Number Theory in the 20th Century, Springer (2012).
    *Citeaza*: F. P. Boca, *A problem of Erdös, Szüsz and Turán concerning diophantine approximations*, **International Journal of Number Theory 4** (2008), pag. 691–708.

15. Liping Li, A generalized Koszul theory and its application in representation theory **University of Minnesota, PhD Thesis** (2012)
    *Citeaza*:Victor Reiner, Dumitru Ioan Stamate, *Koszul incidence algebras, affine semigroups, and Stanley-Reisner ideals*, **Advances in Mathematics 224** (2010), pag. 2312 – 2345

16. G. Hiary şi A. Odlyzko, *The zeta function on the critical line: numerical evidence for moments and random matrix theory models,* **Math. Comp. 81, no. 279** (2012), pag. 1723–1752,

*Citeaza*: A. Diaconu, D. Goldfeld şi J. Hoffstein, *Multiple Dirichlet series and moments of zeta and L–functions,* **Compos. Math. 139** (2003), pag. 297–360.

17. Z.-Q. Chen and M. Fukushima, **Symmetric Markov Processes, Time Change, and Boundary Theory**, (LMS 34), Princeton Univ. Press.
*Citeaza*: Beznea, Lucian; Boboc, Nicu *Potential theory and right processes. Mathematics and its Applications, 572,* **Kluwer Academic Publishers, Dordrecht** (2004).

18. Z.M. Ma and W. Sun, Some topics on Dirichlet forms, **New trends in stochastic analysis and related topics: a volume in honour of Professor K.D. Elworthy** World Scientific Publishing Company, 2012.
*Citeaza*: Beznea, Lucian; Boboc, Nicu, Röckner, Michael *Quasi-regular Dirichlet forms and $L^p$-resolvents on measurable spaces*, **Potential Anal. 25** (2006), no. 3, pag. 269-282.

19. Francis Hirsch and Mark Yor, On temporally completely monotone functions for Markov processes, **Probability Surveys 9** (2012), 253-286.
*Citeaza*: Beznea, Lucian, *Ultrapotentials and positive eigenfunctions for an absolutely continuous resolvent of kernels*, **Nagoya Math. J. 112** (1988), 125-142.

20. T. Chuch, J. Ellenberg, B. Farb, "FI-modules: a new approach to stability", **arxiv:1204.4533 math.RT** (2012)
*Citeaza*: S. Ashraf, H. Azam, B. Berceanu, *"Representation stability of power sets and square free polynomials"*, **arXiv:1106.4926 math.RT** (2011), 14 pages;

21. S. Manfredini, S. Parveen, S. Settepanella, "Braid groups in complex spaces", **arxiv:1209.2839 math.GT** (2012)
*Citeaza*: B. Berceanu, S. Parveen: *"Braid groups in complex projective spaces"*, **Advances in Geometry Vol 12 Nr 2** (2012), pag. 269-286.

22. Kazem Khashyarmanesh; M. Tamer Kosan; Serap Sahinkaya : On Weakly Laskerian and Weakly Cofinite Modules, **Algebra Colloquium, 19, (04)**, (2012), pag. 693-698.
*Citeaza*: G. Chiriacescu, *Cofiniteness of local cohomology modules over regular local rings*, **Bull. London Math. Soc., 32**, (2000), pag. 1–7.

23. K. Sharifi, Normality of adjointable module maps, **MATHEMATICAL COMMUNICATIONS 17** (2012), 187–193.
*Citeaza*: A. Gheondea: When are the products of normal operators normal?, Bull. Math. Soc. Roum. Math., 52(2009), 129-150.

24. Rhodes, John Richard, On the Kernel of the Symbol Map for Multiple Polylogarithms, **Teza de doctorat, Durham University** (2012)
*Citeaza*: Nicusor Dan, *Sur la conjecture de Zagier pour n = 4. II*, **arXiv**: 1101.1557 [math.KT] (2011)

25. M. Zvorski, *Lectures on scattering resonances*, Lectures Notes, Dept. of Math. Univ. of Cal. Berkley (2012)
*Citeaza*: A. Jensen, G. Nenciu , *A unified approach to resolvent expansions at thresholds*, **REVIEWS IN MATHEMATICAL PHYSICS, 13 (2001)** , 717-754.

26. A. Komech, E. Kopylova, *Dispersion Decay and Scattering Theory* J. Wiley and Sons 2012, ISBN 978-1-118-34182-7
*Citeaza*: A. Jensen, G. Nenciu , *A unified approach to resolvent expansions at thresholds*, **REVIEWS IN MATHEMATICAL PHYSICS, 13 (2001)** , 717-754.

27. Kazuo Habiro, Gwenael Massuyeau, From mapping class groups to monoids of homology cobordisms: a survey, in *"Handbook of Teichmller theory, vol. III"* (editor: A. Papadopoulos), IRMA Lectures in Mathematics and Theoretical Physics 17 (2012), ISBN: 978-3-03719-103-3
*Citeaza*: D. Cheptea, T. T. Q. Le, *A TQFT associated to the LMO invariant of three-dimensional manifolds*, **Comm. Math. Phys. 272**, no. 3 (2007), 601 – 634

28. Kazuo Habiro, Gwenael Massuyeau, From mapping class groups to monoids of homology cobordisms: a survey, *"Handbook of Teichmller theory, vol. III"* (editor: Athanase Papadopoulos) IRMA Lectures in Mathematics and Theoretical Physics 17 (2012), ISBN: 978-3-03719-103-3
*Citeaza*: D. Cheptea, K. Habiro, G. Massuyeau, *A functorial LMO invariant for Lagrangian cobordisms*, **Geom. Topol. 12**, no. 2 (2008), 1091 – 1170

29. I. Chiswell, T. Múller, *A universal construction for groups acting freely on real trees*, **Cambridge Tracts in Mathematics 195**, Cambridge University Press, 2012
*Citeaza*: Ş.A. Basarab, *On a problem raised by Alperin and Bass.*In: *Arboreal Group Theory* (ed. R.C. Alperin), **MSRI Publications 19**, pp. 35 – 68, Springer Verlag, New York, 1991

30. E. Leenknegt, *Cell decomposition and definable functions for weak p-adic structures*, **arXiv:1205.4170v1**, to appear in Math. Logic Quarterly
*Citează*: Ş.A. Basarab, F.-V. Kuhlmann, *An isomorphism theorem for henselian algebraic extensions of valued fields*, **manuscripta math. 77** (1992), 113 – 126

31. L. Belair, *Panorama of p-adic model theory*, **Ann. Sci. Math. Quebec**
*Citeaza*: Ş.A. Basarab, *Relative elimination of quantifiers for henselian valued fields*, **Ann. Pure Appl. Logic 53** (1991), 51 – 74

32. L. Belair, *Panorama of p-adic model theory*, **Ann. Sci. Math. Quebec**
*Citează*: Ş.A. Basarab, F.-V. Kuhlmann, *An isomorphism theorem for henselian algebraic extensions of valued fields*, **manuscripta math. 77** (1992), 113 – 126

33. L. Belair, *Panorama of p-adic model theory*, **Ann. Sci. Math. Quebec**
*Citează*: Ş.A. Basarab, *Towards a general theory of formally p-adic fields*, **manuscripta math. 30** (1980), no. 3, 279 – 327

34. L. Belair, *Panorama of p-adic model theory*, **Ann. Sci. Math. Quebec**
*Citează*: Ş.A. Basarab, *Extensions of places and contraction properties for function fields over p-adically closed fields*, **J. Reine Angew. Math. 326** (1981), 54 – 78

35. N.L. Ackerman, *Completeness in generalized ultrametric spaces*, **preprint Harvard Univ.** (2012), submitted to *p-adic Numbers, Ultrametric Analysis and Applications*
*Citează*: Ş.A. Basarab, *Some model theory for generalized trees*, **J. Pure Appl. Algebra 57** (1989), 109 – 125

36. Bordenave, Charles, Chafaï, Djalil, Around the circular law, **Probability Surveys, 9** (2012), 1-89; *Citeaza*: Ionel Popescu *'General Tridiagonal Random Matrix Models, Limiting Distributions and Fluctuations*, **Probability Theory and Related Fields 144** (2009), pag. 179-220;

37. Ioana Dumitriu, Elliot Paquette, Global Fluctuations for Linear Statistics of $\beta$-Jacobi Ensembles, **arXiv:1203.6103** (2012)
*Citeaza*: Ionel Popescu *'General Tridiagonal Random Matrix Models, Limiting Distributions and Fluctuations*, **Probability Theory and Related Fields 144** (2009), pag. 179-220;

38. Mylène Maïda, Edouard Maurel-Segala, Free transport-entropy inequalities for non-convex potentials and application to concentration for random matrices, **arXiv:1204.3208** (2012)
*Citeaza*: Michel Ledoux and Ionel Popescu *Mass Transportation Proofs of Free Functional Inequalities, and Free Poincaré Inequalities*, **Journal of Functional Analysis 257** (2009), pag. 1175-1221;

39. Z Qian, J Ying, Martingale representations for diffusion processes and backward stochastic differential equations, Séminaire de Probabilités XLIV (2012)
Citează: V Bally, E Pardoux, L Stoica, *Backward stochastic differential equations associated to a symmetric Markov process*, P**otential Analysis 22** (2005), pag.17-60

40. M. Hirano, T. Ishii, T. Miyazaki, *The archimedean Whittaker function for GL(3)*, in **Geometry and Analysis of Automorphic Forms of Several Variables**, Proceedings of the International Symposium in jonor of Takayuki Oda, World Scientific Publishing (2012), 77–109
*Citeaza*: A. A. Popa, *Whittaker newforms for Archimedean representations*, **J. Number Theory 128** (2008), pag. 1637–1645

41. C. Timofte, Multiscale analysis of composite structures, **BIOMATH 2012(1)** (2012), article ID A004, pp. $1 - 5$
*Citeaza*: H. I. Ene, Dan Poliševski, *Model of diffusion in partially fissured media*, **J. Appl. Math. Phys. (ZAMP) 53** (2002), pag. $1052 - 1059$

42. A. Touzaline, Study of a contact problem with normal compliance and nonlocal friction, **Aplicationes Mathematicae 39** (2012), pag. 43-55
*Citează*: A. Radoslovescu Capatina, M. Cocu, *Internal approximation of quasi-variational inequalities*, **Numer. Math. 59** (1991), pag. 385-398

43. A. Crysochoos, T. Boulanger, A. Morabito, Dissipation and thermoelastic coupling associated with fatigue of materials, **Mechanics, Models and Methods in civil Engineering, Lecture Notes in Applied and Computational Mechanics** (2012), pag. 147-156
*Citează*: A. Capatina, R. Stavre, *Algorithms and convergence results for an inverse problem in heat propagation*, **Int. J. Engng. Sci. 38** (2000), pag. 575-587

44. R. Tan, J. Sun and Q. Liu, Domain decomposition method for the variational inequality of the second kind, **Advanced Materials Research, 542-543**, 2012, pp. 1353-1356 (doi: 10.4028/www.scientific.net/AMR.542-543.1353)

*Citeaza:* L. Badea, X.-C. Tai and J. Wang, Convergence rate analysis of a multiplicative Schwarz method for variational inequalities, **SIAM J. Numer. Anal, 41**, 3, 2003, pp. 1052-1073.

45. J. H. Zhu, C. R. Cheng and G. P. Lou, Finite element analysis to a kind of elliptic variational inequality, **Advanced Materials Research, 557-559, 2012**, pp. 2126-2129 (doi: 10.4028/www.scientific.net/AMR.557-559.2126)
*Citeaza:* L. Badea, X.-C. Tai and J. Wang, Convergence rate analysis of a multiplicative Schwarz method for variational inequalities, **SIAM J. Numer. Anal, 41**, 3, 2003, pp. 1052-1073.

46. M. Discacciati, P. Gervasio and A. Quarteroni, Heterogeneous Mathematical Models in Fluid Dynamics and Associated Solution Algorithms, **Multiscale and Adaptivity: Modeling, Numerics and Applications Lecture Notes in Mathematics**, 2012, Volume 2040/2012, 57-123, DOI: 10.1007/978-3-642-24079-9-2
*Citeaza:* L. Badea, M. Discacciati and A. Quarteroni, Mathematical analysis of the Navier-Stokes/Darcy coupling, **Numer. Math., 115**, 2, pp. 195-227, 2010.

47. A.L Schmitt, M. H. Repollet-Pedrosa, Polydispersity-Driven Block Copolymer Amphiphile Self-Assembly into Prolate-Spheroid Micelles , **ACS Macro Lett. 1(1)**, (2012), pag. 300-304
*Citeaza*: P. Daripa and G. Pasa , *An optimal viscosity profile in oil recovery by polymer flooding*, **Int. J. Engng. Sci,, 42(19-20)** (2004), pag. 2029-2039

48. H. Ott, S. Berg and S. Oedai,Displacement and Mass transfer of CO/Brine in Sandstone, **Energy Procedia**, (2012), pag. 512-520
*Citeaza*: P. Daripa and G. Pasa , *On diffusive slowdown in three-layers Hele-Shaw flows*, **Quarterly of Appl. Math., LXVIII, Nr. 3** (2010), pag. 591-606

49. Y Lei, S Li, X Zhang, Q Zhang, L Guo ,Control of Polymer Flooding Based on Maximum Principle , **Journal of Applied Mathematics** (2012), pag. 10 pages
*Citeaza*: Daripa, Prabir; Pasa, G. , , Stabilizing effect of diffusion in enhanced oil recovery and three-layer Hele-Shaw flows with viscosity gradient, **Transport in Porous Media, 70 (1)** (2007), pag. 11-23

50. Pilca, Mihaela, On formal Riemannian metrics, **ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA Volume: 20 Issue: 2** (2012), 131–144; FI=0,052
*Citeaza*: S. Dragomir, Liviu Ornea, *Locally conformal Kaehler geometry* **Birhauser** (1998).

51. Pilca, Mihaela, On formal Riemannian metrics, **ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA Volume: 20 Issue: 2** (2012), 131–144; FI=0,052
*Citeaza*: Liviu Ornea, M. Verbitsky, *Structure theorem for compact Vaisman manifolds*, **MATHEMATICAL RESEARCH LETTERS Volume: 10 Issue: 5–6** (2003) 799–805.

52. Reynolds, Paul, *On conformal submersions and manifolds with exceptional structure groups*, **PhD thesis, Univ. din Edinburgh, 2012, http://hdl.handle.net/1842/6218**

*Citeaza*:Liviu Ornea and Giuliano Romani, *The fundamental equations of conformal submersions*, **Beiträge Algebra Geom. 34** (1993), no. 2, 233–243.

53. Akian, M, Gaubert, S, Guterman, A, TROPICAL POLYHEDRA ARE EQUIVALENT TO MEAN PAYOFF GAME, **INTERNATIONAL JOURNAL OF ALGEBRA AND COMPUTATION 22** (2012)
*Citeaza*: V. Nitica, I. Singer, *Max-plus convex sets and max-plus semispaces*, **Optimization 56** (2007), pag. 171 – 205

54. Pugh, C, Shub, M, Wilkinson, A, HOLDER FOLIATIONS, REVISITED, **JOURNAL OF MODERN DYNAMICS 6** (2012), 79 – 120;
*Citeaza*: V. Nitica, A. Torok *Cohomology of dynamical systems and rigidity of partially hyperbolic actions of higher rank lattices*, **Duke Mathematical Journal 79** (1995), pag. 751 – 810

55. S. Morey, R. Villarreal, Edge ideals: algebraic and combinatorial properties, **Progress in Commutative Algebra 1: Combinatorics and Homology, De Gruyter Proceedings in Mathematics** (2012), pag. 85 – 126.
*Citeaza*: Winfried Bruns, Bogdan Ichim, *Normaliz 2.0, Computing normalizations of affine semigrops*, Available from http://www.math.uos.de/normaliz.

56. C. Ciliberto, B. Harbourne, R. Miranda, J. Roe in Variations on Nagata's Conjecture
*Citeaza*: C. Ciliberto, O. Dumitrescu, R. Miranda and J. Roe, *Emptiness of homogeneous linear systems with ten general base points* **Classification of Algebraic Varieties, C. Faber, G. van der Geer, and E. Looijenga, eds., Series of Congress Reports, vol. 3, E. M. S., 2011, pp. 189–195.**

57. E. Postinghel, Degenerations and applications: polynomial interpolation and secant degree, Ph.d thesis *Citeaza*: Ciro Ciliberto, Olivia Dumitrescu, Rick Miranda, *Degenerations of the Veronese and applications*, **Bulletin of the Belgian Mathematical Society - Simon Stevin; Volume 16, Number 5** (2009), pag. 771–798

58. Jonathan J. Heckman, Herman Verlinde, Instantons, Twistors, and Emergent Gravity, **arXiv:1112.5210v2 5 ian 2012** (2012)
*Citeaza*: C. Anghel, N. Manolache, *Extentions of instantons*, **Rev. Roum. Math. Pures App. tome XLVIII, nr. 5-6** (2003), pag. 437–447.

59. O. Cerbu, Produsul semireflexiv a doua subcategorii, **Teza de doctor in ştiinţe fizico-matematice (2012), pag. 127 pages**
*Citeaza*: V. Ursu, *On the lattice of quasivarieties of commutative Moufang loops with nilpotency class $\leq 2$. I*, **Rev. Roumaine math. pures appl. 54** (2009), pag. 33–51

60. Joshua Holden, *Fixed points and 2-cycles of $x \mapsto x^x \pmod{n}$*, Tenth Algorithmic Number Theory Symposium University of California, San Diego July 9–13, 2012.
*Citează*: C. Cobeli and A. Zaharescu, *An exponential congruence with solutions in primitive roots*, **Rev. Roumaine Math. Pures Appl., 44** (1999), 15–22.

61. D. Jason Gibson, *Discrete logarithms and their equidistribution*, **Uniform Distribution Theory 7, no. 1** (2012), 147–154.
*Citează*: A. Granville, I. E. Shparlinski, and A. Zaharescu, *On the distribution of rational*

*functions along a curve over* $\mathbb{F}_p$ *and residue races*, **J. Number Theory, 112 (2)** (2005), 216–237.

62. S. A. Khan, *Farey sequences and resistor networks*, **Proc. Indian Acad. Sci. (Math. Sci.) Vol. 122, No. 2**, (2012), 153–162.
   *Citează*: C. Cobeli and A. Zaharescu, *The Haros-Farey sequence at two hundred years*, **Acta Universitatis Apulensis Math. Inform. 5** (2003), 1–38.

63. A. Shojaei-Fard, Riemann-Hilbert Problem and Quantum Field Theory: Integrable Renormalization, Dyson-Schwinger Equations, **LAP LAMBERT Academic Publishing** 2012, ISBN: 3847340670, 978-3847340676
   *Citeaza*: Gabriel Bădiţoiu, Steven Rosenberg, *Feynman Diagrams and Lax Pair Equations*, **preprint arXiv:math-ph/0611014** (2006)

64. D. Putan, D. Stan, Dynamical behavior of endomorphisms on certain invariant sets, **Mathematica Slovaca, va apare** (2012)
   *Citeaza*: E. Mihailescu si M. Urbanski, *Estimates for the stable dimension for holomorphic maps*, **Houston Journal of Mathematics, Vol. 31**, (2005), pag. 367–389.

65. D. Putan, D. Stan, Dynamical behavior of endomorphisms on certain invariant sets, **Mathematica Slovaca, va apare** (2012)
   *Citeaza*: E. Mihailescu, *Unstable manifolds and Hölder structures associated to noninvertible maps*, **Discrete and Continuous Dynamical Systems, vol. 14** (2006), pag. 419 – 446.

66. D. Putan, D. Stan, Dynamical behavior of endomorphisms on certain invariant sets, **Mathematica Slovaca, va apare** (2012), pag. ... – ...
   *Citeaza*: E. Mihailescu, *Applications of thermodynamic formalism in complex dynamics on* $\mathbb{P}^2$, **Discrete and Continuous Dynamical Systems, vol. 7**, (2001), pag. 821–836.

67. R. Re, Principal parts bundles on projective spaces and quiver representations, **Rend. Circ. Mat. Palermo(2) 61** (2012), pag. 179 – 198
   *Citeaza*: I. Coandă, *On the stability of syzygy bundles*, **Internat. J. Math. 22** (2011), pag. 515 – 534

68. M.E. McCay, J.T. Butler, P. Stanica , *Computing Algebraic Immunity by Reconfigurable Computer*, Proceedings of the 10th International Workshop on Boolean Problems, Freiberg, Germany, Sept. 2012, 225–232.
   *Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

69. G. Pirsic, A. Winterhof, *Boolean functions derived from pseudorandom binary sequences*, Sequences and Their Applications – SETA 2012, LNCS 7280/2012, 101–109.
   *Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

70. P.E. Nastou, Y.C. Stamatiou, *Distributed Computation of S-Boxes with Strong Security Properties*, International Journal of Security and Its Applications, Vol. 6 No. 2, April,

2012, 29–46.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

71. Y. Zhang, M. Liu, D. Lin, *On the immunity of rotation symmetric Boolean functions against fast algebraic attacks*, eprint.iacr.org, 2012.
*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

72. Subhadeep Banik, Subhamoy Maitra and Santanu Sarkar, *A Differential Fault Attack on the Grain Family of Stream Ciphers*, Cryptographic Hardware and Embedded Systems - CHES 2012, LNCS 7428/2012, 122–139.
*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

73. Q. Wang, T. Johansson, *Higher Order Algebraic Attacks on Stream Ciphers*, eprint.iacr.org, 2012. *Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

74. Subrata Das, Joy Prakash Sain, Parthasarathi Dasgupta, Samar Sensarm, *Algorithms for Ternary Number System*, Procedia Technology Volume 4, 2012, Pages 278–285; 2nd International Conference on Computer, Communication, Control and Information Technology (C3IT-2012).
*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

75. Subrata Das, Satrajit Ghosh, Parthasarathi Dasgupta, and Samar Sensarma, *Algorithms for Rotation Symmetric Boolean Functions*, Indian Institute of Management, 2012.
*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

76. Jie PENG, Haibin KAN, *Constructing Rotation Symmetric Boolean Functions with Maximum Algebraic Immunity on an Odd Number of Variables*, IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences Vol.E95-A No.6 1056–1064.
*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

77. Zhang Peng, Fu Shao-Jing, Qu Long-Jiang, Li Chao, *Enumeration of Balanced Rotation-Symmetric Boolean Functions*, Journal Of Applied Sciences – Electronics and Information Engineering, 45–51.
*Citeaza* P. Stanica, S. Maitra, *Rotation-Symmetric Functions - Count and Cryptographic Properties*, **Discrete Applied Mathematics 156.10** (2008), 1567-1580

78. C. Wood, *Results on Boolean Functions*, Master's Thesis, cs.rit.edu, 2012.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

79. R. Sharipov, *On a pair of cubic equations associated with perfect cuboids*, arXiv preprint arXiv:1208.0308, 2012.

*Citeaza* E. Ionascu, F. Luca, P. Stanica, *Heron triangles with two fixed sides*, **J. Number Theory 126** (2007), 52–68.

80. R. Sharipov, *On two elliptic curves associated with perfect cuboids*, arXiv preprint arXiv:1208.1227, 2012.
    *Citeaza* E. Ionascu, F. Luca, P. Stanica, *Heron triangles with two fixed sides*, **J. Number Theory 126** (2007), 52–68.

81. R. Sharipov, *On an ideal of multisymmetric polynomials associated with perfect cuboids*, arXiv preprint arXiv:1206.6769, 2012.
    *Citeaza* E. Ionascu, F. Luca, P. Stanica, *Heron triangles with two fixed sides*, **J. Number Theory 126** (2007), 52–68.

82. J. Ramsden, R. Sharipov, *On singularities of the inverse problems associated with perfect cuboids*, arXiv preprint arXiv:1208.1859, 2012.
    *Citeaza* E. Ionascu, F. Luca, P. Stanica, *Heron triangles with two fixed sides*, **J. Number Theory 126** (2007), 52–68.

83. R. Sharipov, *On the equivalence of cuboid equations and their factor equations*, arXiv preprint arXiv:1207.2102, 2012.
    *Citeaza* E. Ionascu, F. Luca, P. Stanica, *Heron triangles with two fixed sides*, **J. Number Theory 126** (2007), 52–68.

84. J. Ramsden, R. Sharipov, *On two algebraic parametrizations for rational solutions of the cuboid equations*, arXiv preprint arXiv:1208.2587, 2012.
    *Citeaza* E. Ionascu, F. Luca, P. Stanica, *Heron triangles with two fixed sides*, **J. Number Theory 126** (2007), 52–68.

85. R. Sharipov, *Perfect cuboids and multisymmetric polynomials*, arXiv preprint arXiv:1205.3135, 2012.
    *Citeaza* E. Ionascu, F. Luca, P. Stanica, *Heron triangles with two fixed sides*, **J. Number Theory 126** (2007), 52–68.

86. R. Sharipov, *A biquadratic Diophantine equation associated with perfect cuboids*, arXiv preprint arXiv:1207.4081, 2012.
    *Citeaza* E. Ionascu, F. Luca, P. Stanica, *Heron triangles with two fixed sides*, **J. Number Theory 126** (2007), 52–68.

87. J. Ramsden, R. Sharipov, *Inverse problems associated with perfect cuboids*, arXiv preprint arXiv:1207.6764, 2012.
    *Citeaza* E. Ionascu, F. Luca, P. Stanica, *Heron triangles with two fixed sides*, **J. Number Theory 126** (2007), 52–68.

88. R. Sharipov, *A note on the second cuboid conjecture. Part I*, arXiv preprint arXiv:1201.1229, 2012
    *Citeaza* E. Ionascu, F. Luca, P. Stanica, *Heron triangles with two fixed sides*, **J. Number Theory 126** (2007), 52–68.

89. R. Sharipov, *A note on the third cuboid conjecture. Part I*, arXiv preprint arXiv:1203.2567, 2012.

*Citeaza* E. Ionascu, F. Luca, P. Stanica, *Heron triangles with two fixed sides*, **J. Number Theory 126** (2007), 52–68.

90. P.G. Klyucharev, *On cryptographic properties of generalized cellular automatons*, Science and Education 03, 2012.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

91. B.K. Singh, *Secondary constructions on generalized bent functions*, eprint.iacr.org, 2012.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

92. E. Blais, *Property testing on boolean functions*, Ph.D. Thesis, Carnegie Mellon University Pittsburgh, PA, 2012.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

93. Elena Dubrova, *A Method for Generating Full Cycles by a Composition of NLFSRs*, eprint.iacr.org, 2012.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

94. Chik-How TAN Siong-Thye GOH, *Several Classes of Even-Variable Balanced Boolean Functions with Optimal Algebraic Immunity*, IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences Vol.E94-A, No.1, 165–171.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

95. Z. Ou, *Unbalanced Elementary Symmetric Boolean Functions with the Degree d and $wt(d) \geq 3$*, http://eprint.iacr.org/2012/101.
*Citeaza* T.W. Cusick, Yuan Li and P. Stanica *Balanced symmetric functions over $GF(p)$*, **IEEE Trans. on Information Theory 54(3)**, pp. 1304-1307, 2008.

96. B. Batteux, *On the Algebraic Normal Form and Walsh Spectrum of Symmetric Functions over Finite Rings*, Arithmetic of Finite Fields, LNCS 7369/2012, 92–107.
*Citeaza* T.W. Cusick, Yuan Li and P. Stanica *Balanced symmetric functions over $GF(p)$*, **IEEE Trans. on Information Theory 54(3)**, pp. 1304-1307, 2008.

97. E. Dubrova, *A List of Maximum Period NLFSRs*, eprint.iacr.org, 2012.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

98. Bo Zhu, Wenye Yu and Tao Wang, *A Practical Platform for Cube-Attack-like Cryptanalyses*, Cryptography/Network Security, U. Waterloo.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

99. Yin Zhang Meicheng Liuy Dongdai Lin, *On the Immunity of Rotation Symmetric Boolean Functions Against Fast Algebraic Attacks*, eprint.iacr.org, 2012.
*Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

100. J.P. Flori, H. Randriam, *On the Number of Carries Occurring in an Addition Mod $2^k - 1$*, Integers 12 (2012), #A10.
*Citeaza* T.W. Cusick, Y. Li, P. Stanica, *On a Combinatorial Conjecture*, Integers 11 (2011), 185-203; also, **Electronic J. Combinatorial Number Theory 11** (2011), Art.#17 (17pp).

101. X. Duan, *Proof of a combinatoric conjecture*, Procedia Engineering Volume 29, 2012, Pages 2793–2797.
*Citeaza* T.W. Cusick, Y. Li, P. Stanica, *On a Combinatorial Conjecture*, Integers 11 (2011), 185-203; also, **Electronic J. Combinatorial Number Theory 11** (2011), Art.#17 (17pp).

102. Q. Wang, T. Johansson, H. Kan *Some results on fast algebraic attacks and higher-order non-linearities*, Information Security 6:1 (2012), 41–46; FI=0.143.
*Citeaza* T.W. Cusick, Y. Li, P. Stanica, *On a Combinatorial Conjecture*, Integers 11 (2011), 185-203; also, **Electronic J. Combinatorial Number Theory 11** (2011), Art.#17 (17pp).

103. Johannes F. Morgenbesser and Lukas Spiegelhofer, *A reverse order property of correlation measures of the sum-of-digits function*, Integers 2012.
*Citeaza* T.W. Cusick, Y. Li, P. Stanica, *On a Combinatorial Conjecture*, Integers 11 (2011), 185-203; also, **Electronic J. Combinatorial Number Theory 11** (2011), Art.#17 (17pp).

104. Sergei V. Konyagin and Igor E. Shparlinski, *On the consecutive powers of a primitive root: gaps and exponential sums*, **Mathematika 58** (2012), 11–20.
*Citeaza*: M. Vajaitu, A. Zaharescu, *Differences between powers of a primitive root*, **Int. J. Math. Math. Sci. 29** (2002), pag. 325–331.

105. Pieter Moree, *Artin's primitive root conjectutre*, **arXiv** (2012), pag. 1 –87
*Citeaza*: M. Vajaitu, A. Zaharescu, *Differences between powers of a primitive root*, **Int. J. Math. Math. Sci. 29** (2002), pag. 325–331.

106. A Panwar, *On fixed and coincidence points under contractive mappings in non-archimedean fuzzy metric space*, **International Journal of Applied Mathematical Research 1(4)** (2012), pag. 706–714
*Citeaza*: M. Vâjâitu, A. Zaharescu, *Groups of isometries on ultrametric spaces*, **Bull. Math. Soc. Sc. Math., Thome 44(92), no.2** (2001), pag. 183 – 191

107. RJ Rundle, *Generalization of Ruderman's Problem to Imaginary Quadratic Fields*, **Phd Thesis, Queen's University** (2012), pag. 1 – 82
*Citeaza*: M. Vâjâitu, A. Zaharescu, *A finiteness theorem for a class of exponential congruences*, **Proc. A.M.S. 127(8)** (1999), pag. 2225 – 2232

108. G. E. Encarnacion, *Beatty ratios, algorithms related to Sturmian sequences and uniform distribution theory*, **Phd thesis UIUC** (2012), pag. 1–102
*Citeaza*: C. Cobeli, G. Groza, M. Vajaitu, A. Zaharescu, *Generalization of a theorem of Steinhaus*, **Colloq. Math. 92** (2002), pag. 257 –266

109. A Balog, A Granville, J Solymosi, *Gaps between fractional parts, and additive combinatorics*, **preprint, u-montreal**, pag. 1–8
    *Citeaza*: C. Cobeli, G. Groza, M. Vajaitu, A. Zaharescu, *Generalization of a theorem of Steinhaus*, **Colloq. Math. 92** (2002), pag. 257 –266

110. A Balog, A Granville, J Solymosi, *Gaps between fractional parts, and additive combinatorics*, **preprint, u-montreal**, pag. 1–8
    *Citeaza*: M. Vajaitu, A. Zaharescu, *Distinct gaps between fractional parts of sequences*, **Proc. A.M.S. 130** (2002), pag. 3447–3452.

111. A Balog, A Granville, J Solymosi, *Gaps between fractional parts, and additive combinatorics*, **preprint, u-montreal**, pag. 1–8
    *Citeaza*: G. Groza, M. Vajaitu, A. Zaharescu, *Primitive arcs on elliptic curves*, **Revue Roumaine 50** (2005), pag. 31–38.

112. N. Gasitoi, The Levi problem in the blow-up along a linear subspace, **Math. Reports 14 no.3** (2012)
    *Citeaza*: M. Coltoiu,C.Joita, *The Levi problem in the blow-up*, **Osaka J. Math. 47** (2010), pag.943-947.

113. C. Joita, The disk property. A short survey. **An. St. Univ. Ovidius Constanta 20** (2012),pag. 35-42.
    *Citeaza*: M. Coltoiu, *Coverings of 1-convex manifolds with 1-dimensional exceptional set* **Comment. Math. Helv. 68, no.3** (1993),469-479.

114. C. Joita, The disk property. A short survey. **An. St. Univ. Ovidius Constanta 20** (2012),pag. 35-42.
    *Citeaza* M. Coltoiu, M. Tibar, *On the disk theorem*, **Math. Ann. 345 no.1** (2009), 175-183.

115. C. Joita, The disk property. A short survey. **An. St. Univ. Ovidius Constanta 20** (2012),pag. 35-42.
    *Citeaza* : M. Coltoiu, J. Ruppenthal, *On the Hartogs' extension theorem for (n-1)-complete spaces* **J. reine angew. Math. 637** (2009), 41-49.

116. C. Joita, Prescribing projections of Runge domains in Stein spaces. **Math. Reports 12** (2010),pag. 137-143.
    *Citeaza* M. Coltoiu *Traces of Runge domains on analytic subsets*, **Math. Ann. 290 no.3**,545-548.

117. A. Filipin, Y. Fujita, The relative upper bound for the third element in a $D(-1)$-quadruple, **Math. Commun., 17** (2012), 13–19; FI = 0,258
    *Citează*: N. C. Bonciocat, M. Cipu, M. Mignotte, *On $D(-1)$-quadruples*, **Pub. Mat. 56** (2012), 279–304.

118. G. Bohm, On the iteration of weak wreath products, **Theory and Applications of Categories 26(2)**, 30-59 (2012)
    *Citeaza*: J. Lopez, P. Jara, F. Panaite, F. Van Oystaeyen, *On iterated twisted tensor products of algebras*, **Internat. J. Math. 19(9)**, 1053–1101(2008)

119. T.-L. Costache, M. Zamfir, A note on Morita equivalence of twisted crossed products, **Appl. Sciences 14**, 26-36 (2012)
*Citeaza*: F. Panaite, *Invariance under twisting for crossed products*, **Proc. Amer. Math. Soc. 140(3)**, 755-763 (2012)

120. B. Hou, Z. Zhang, B. Cai, Diagonal crossed products and L-R-smash products over weak Hopf algebras, **Adv. Math. (China), 41(3)**, 320-334 (2012)
*Citeaza*:
F. Panaite, F. Van Oystaeyen, *Some bialgebroids constructed by Kadison and Connes-Moscovici are isomorphic*, **Appl. Categor. Structures 14(5-6)**, 627–632 (2006)

121. B. Hou, Z. Zhang, B. Cai, Diagonal crossed products and L-R-smash products over weak Hopf algebras, **Adv. Math. (China), 41(3)**, 320-334 (2012)
*Citeaza*:
D. Bulacu, F. Panaite, F. Van Oystaeyen, *Generalized diagonal crossed products and smash products for quasi-Hopf algebras. Applications*, **Comm. Math. Phys. 266** (2006), pag. 355–399

122. B. Hou, Z. Zhang, B. Cai, Diagonal crossed products and L-R-smash products over weak Hopf algebras, **Adv. Math. (China), 41(3)**, 320-334 (2012)
*Citeaza*:
F. Panaite, F. Van Oystaeyen, *L-R-smash product for (quasi-) Hopf algebras*, **J. Algebra 309** (2007), pag. 168–191

123. A. Cerdán, U. Schnell, S. Segura Gomis, On a relative isodiametric inequality for centrally symmetric, compact, convex surfaces, **Beitrğe zur Algebra und Geometrie** (2012), Online first
*Citeaza*: C. Vîlcu, *On two conjectures of Steinhaus*, **Geometriae Dedicata 79** (2000), pag. 267–275

124. V. C. Nguyen, Tate and Tate-Hochschild Cohomology for finite dimensional Hopf Algebras, **math archive arXiv:1209.4888** (2012), 1 – 23
*Citeaza*: S. Burciu and S. Witherspoon, *Hochschild cohomology of smash products and rank one Hopf algebras*, **Rev. Mat. Iberoamericana, Madrid** (2007), pag. 153-170

125. A.L. Agore and C. G. Bontea and G. Militaru, Classifying bicrossed products of Hopf algebras, **arXiv:1205.6110 volum** (2012), 1 – 36
*Citeaza*: S. Burciu, *On complements and the factorization problem for Hopf algebras*, **Central European Journal of Mathematics 9** (2011), pag. 905– 914

126. L. Kadison, C. J. Young Subalgebra depths within the path algebra of an acyclic quiver, **preprint, http://cmup.fc.up.pt volum** (2012), 1 – 12;
*Citeaza*: S. Burciu, *Depth one extensions of semisimple algebras and Hopf sublgebras*, **Algebras and Representation Theory online first** (2012), pag. 1 – 12

127. S. Natale, Semisimple Hopf Algebras And Their Representations, **Publicaciones Matematicas del Uruguay** (2012), 132 – 167
*Citeaza*: S. Burciu, Representations of degree three for semisimple Hopf algebras, **Journal of Pure and Applied Algebra**, (2006), pag. 89 – 53

128. S. Natale, Semisimple Hopf Algebras And Their Representations, **Publicaciones Matematicas del Uruguay volum** (2012), 132 – 167
Citeaza: S. Burciu, *On the classification of semisimple Hopf algebras: structure and applications*, **Noncommutative Structures in Mathematics and Physics**, Noncommutative Structures in Mathematics and Physics, Brussels, Belgium, July, 2009, editori: S. Caenepeel, J. Fuchs and A. Stolin Proc. Royal Flemish Academy of Belgium, Brussels (2009), pag. 29 – 45 ISBN:9789065690616

129. Apte, Himanee; Chattopadhyay, Pratyusha; Rao, Ravi A., A local global theorem for extended ideals, *J. Ramanujan Math. Soc. 27* (2012), no. 1, 1–20.
Citeaza: Dorin Popescu, *General Neron Desingularization and approximation*, **Nagoya Math.J , 104** (1986), 85 -115

130. A. Arsie, P. Lorenzoni, From Darboux-Egorov system to bi-flat $F$-manifolds, **arxiv:1205.2468**
Citeaza L. David, I. A. B. Strachan, *Dubrovin's duality for $F$-manifolds with eventual identities*, **Advances in Mathematics 266** (2011), pag. 4031–4060

131. A. Arsie, P. Lorenzoni, From Darboux-Egorov system to bi-flat $F$-manifolds, **arxiv:1205.2468**
Citeaza L. David, I. A. B. Strachan, *Symmetries of $F$-manifolds with eventual identities and special families of connections*, **arxiv:1103.2045**

132. J. Viaclovsky, Einstein metrics and Yamabe invariants of weighted projective spaces, **arxiv:1206.1285**
Citeaza L. David, P. Gauduchon, *The Bochner-flat Geometry of Weighted Projective Spaces*, **C.R.M. Proceedings and Lecture Notes 40**, American Mathematical Society (2006), pag. 109–156

133. C, Boyer, J. Pati, On the equivalence problem for toric contact structures on $S^3$-bundles over $S^2$, **arxiv:1204.2209**
Citeaza L. David, P. Gauduchon, *The Bochner-flat Geometry of Weighted Projective Spaces*, **C.R.M. Proceedings and Lecture Notes 40**, American Mathematical Society (2006), pag. 109–156

134. M. J. Lock, J. Viaclovsky, Anti-self dual orbits with cyclic quotient singularities, **arxiv:1205.4059**
Citeaza L. David, P. Gauduchon, *The Bochner-flat Geometry of Weighted Projective Spaces*, **C.R.M. Proceedings and Lecture Notes 40**, American Mathematical Society (2006), pag. 109–156

135. P. Reynolds, On the conformal submersions and manifolds with exceptional structure groups, **The University of Edinburgh, Mathematics Ph.D Thesis Collection** (2012)
Citeaza L. David, *The conformal-Killing equation on $G_2$ and* Spin$_7$*-structures*, **Journal of Geometry and Physics 61** (2011), pag. 1070–1078

136. C. van Coevering, Sasaki-Einstein 5-manifolds associated to toric 3-Sasaki manifolds, **New-York Journal of Mathematics 18** (2012), pag. 555–608
Citeaza D. Calderbank, L. David, P. Gauduchon, *The Guillemin formula and Kähler*

*metrics on toric symplectic manifolds*, **Journal of Symplectic Geometry 1 (4)** (2002), pag. 767–784

137. N. Gozlan, C. Roberto, P.-M. Samson, P. Tetali, Displacement convexity of entropy and related inequalities on graphs, **arXiv:1207.5116** (2012) *Citeaza:* A.-I. Bonciocat, K.-T. Sturm, *Mass transportation and rough curvature bounds for discrete spaces*, **J. Funct. Anal. 256 (9)** (2009), pag. 2944 – 2966

138. D. Sannella, A. Tarlecki: **Foundations of algebraic specification and formal software development**, Springer (2012), ISBN 978-3-642-17335-6.
*Citează*: R. Diaconescu: *Category-based constraint logics*, **Mathematical Structures in Computer Science 10(3)** (2000), pag. 373–407.

139. T.-K. Fu, O. Kutz: *The Analysis and Synthesis of Logic Translation*, **Proceedings of the Twenty-Fifth International Florida Artificial Intelligence Research Society Conference**, (2012) pag. 289–294.
*Citează*: T. Mossakowski, R. Diaconescu, A. Tarlecki: *What is a Logic Translation?*, **Logica Universalis 3(1)**, (2009) pag. 59–94.

140. O. Beyersdorff, O. Kutz: *Proof Complexity of Non-classical Logics*, **Lecture Notes in Computer Science 7388** (2012) pag. 1–54.
*Citează*: T. Mossakowski, R. Diaconescu, A. Tarlecki: *What is a Logic Translation?*, **Logica Universalis 3(1)**, (2009) pag. 59–94.

141. D. Sannella, A. Tarlecki: **Foundations of algebraic specification and formal software development**, Springer (2012), ISBN 978-3-642-17335-6.
*Citează*: T. Mossakowski, R. Diaconescu, A. Tarlecki: *What is a Logic Translation?*, **Logica Universalis 3(1)**, (2009) pag. 59–94.

142. D. Sannella, A. Tarlecki: **Foundations of algebraic specification and formal software development**, Springer (2012), ISBN 978-3-642-17335-6.
*Citează*: T. Mossakowski, J. Goguen, R. Diaconescu, A. Tarlecki: *What is a Logic?*, în **Logica Universalis**, editor Jean-Yves Beziau, Birkhäuser (2005) pag. 113–133.

143. D. Sannella, A. Tarlecki: **Foundations of algebraic specification and formal software development**, Springer (2012), ISBN 978-3-642-17335-6.
*Citează*: R. Diaconescu: *Grothendieck institutions*, **Applied Categorical Structures 10(4)**, (2002) pag. 383–402.

144. D. Sannella, A. Tarlecki: **Foundations of algebraic specification and formal software development**, Springer (2012), ISBN 978-3-642-17335-6.
*Citează*: R. Diaconescu, K. Futatsugi: *Logical foundations of CafeOBJ*, **Theoretical Computer Science 285**, (2002) pag. 289–318.

145. G. Voutsadakis: *Categorical Abstract Algebraic Logic: Closure Operators on Classes of PoFunctors*, **Armenian Journal of Mathematics 4(1)** (2012) pag. 1–24.
*Citează*: R. Diaconescu: **Institution-independent Model Theory**, Birkhäuser (2008).

146. M. Codescu, F. Horozal, M. Kohlhase, T. Mossakowski, F. Rabe, K. Sojakova: *Towards Logical Frameworks in the Heterogeneous Tool Set Hets*, **Lecture Notes in Computer**

Science **7137** (2012) pag. 139–159.
*Citează*: R. Diaconescu: **Institution-independent Model Theory**, Birkhäuser (2008).

147. D. Sannella, A. Tarlecki: **Foundations of algebraic specification and formal software development**, Springer (2012), ISBN 978-3-642-17335-6.
*Citează*: R. Diaconescu: **Institution-independent Model Theory**, Birkhäuser (2008).

148. D. Sannella, A. Tarlecki: **Foundations of algebraic specification and formal software development**, Springer (2012), ISBN 978-3-642-17335-6.
*Citează*: R. Diaconescu, J. Goguen: *An Oxford survey of order sorted algebra,* **Mathematical Structures in Computer Science 4(4)** (1994) pag. 363–392

149. N. Triantafyllou, I. Ouranos, P. Stefaneas, P. Frangos: *Using the OTS/CafeOBJ Method to Formally Specify and Verify the Open Mobile Alliance License Choice Algorithm*, **Communications in Computer and Information Science 222(7)** (2012) pag. 424–438.
*Citează*: R. Diaconescu, K. Futatsugi: *Behavioural coherence in object-oriented algebraic specification*, **Universal Computer Science 6(1)**, (2000) pag. 74–96.

150. K. Barlas, G. Koletsos, P. Stefaneas: *Extending standards with formal methods: Open Document Architecture*, **International Symposium on Innovations in Intelligent Systems and Applications (INISTA)** (2012) pag. 1–5.
*Citează*: R. Diaconescu, K. Futatsugi: *Behavioural coherence in object-oriented algebraic specification*, **Universal Computer Science 6(1)**, (2000) pag. 74–96.

151. D. Sannella, A. Tarlecki: **Foundations of algebraic specification and formal software development**, Springer (2012), ISBN 978-3-642-17335-6.
*Citează*: J. Goguen, R. Diaconescu: *Towards an algebraic semantics for the object paradigm*, **Lecture Notes in Computer Science 785**, (1994) pag. 1–34.

152. K. Ksystra, N. Triantafyllou, P Stefaneas: *On the Algebraic Semantics of Reactive Rules*, **Lecture Notes in Computer Science 7438** (2012) pag. 136–150.
*Citează*: J. Goguen, R. Diaconescu: *Towards an algebraic semantics for the object paradigm*, **Lecture Notes in Computer Science 785**, (1994) pag. 1–34.

153. K. Ksystra, N. Triantafyllou, P Stefaneas: *On the Algebraic Semantics of Reactive Rules*, **Lecture Notes in Computer Science 7438** (2012) pag. 136–150.
*Citează*: R. Diaconescu, J. Goguen, P. Stefaneas, *Logical support for modularisation*, în **Logical Environments**, editori G. Huet, G. Plotkin, Cambridge Univ. Press, (1993) pag. 83–130.

154. L. O Reilly, T. Mossakowski, Markus Roggenbach: *Compositional Modelling and Reasoning in an Institution for Processes and Data*, **Lecture Notes in Computer Science 7137** (2012) pag. 251–269.
*Citează*: R. Diaconescu, J. Goguen, P. Stefaneas, *Logical support for modularisation*, în **Logical Environments**, editori G. Huet, G. Plotkin, Cambridge Univ. Press, (1993) pag. 83–130.

155. D. Sannella, A. Tarlecki: **Foundations of algebraic specification and formal software development**, Springer (2012), ISBN 978-3-642-17335-6.
*Citează*: R. Diaconescu, J. Goguen, P. Stefaneas, *Logical support for modularisation*, în

**Logical Environments**, editori G. Huet, G. Plotkin, Cambridge Univ. Press, (1993) pag. 83–130.

156. N. Triantafyllou, I. Ouranos, P. Stefaneas, P. Frangos: *Using the OTS/CafeOBJ Method to Formally Specify and Verify the Open Mobile Alliance License Choice Algorithm*, **Communications in Computer and Information Science 222(7)** (2012) pag. 424–438.
*Citează*: R. Diaconescu, K. Futatsugi, **CafeOBJ Report: The Language, Proof Techniques, and Methodologies for Object-Oriented Algebraic Specification**, World Scientific, (1998).

157. K. Barlas, G. Koletsos, P. Stefaneas: *Extending standards with formal methods: Open Document Architecture*, **International Symposium on Innovations in Intelligent Systems and Applications (INISTA)** (2012) pag. 1–5.
*Citează*: R. Diaconescu, K. Futatsugi, **CafeOBJ Report: The Language, Proof Techniques, and Methodologies for Object-Oriented Algebraic Specification**, World Scientific, (1998).

158. Y. Arimoto, S. Iida, K. Futatsugi: *Formal Verification of Effectiveness of Control Activities in Business Processes*, **IEICE Transactions on Information and Systems E95-D (5)** (2012) pag. 1342–1354.
*Citează*: R. Diaconescu, K. Futatsugi, **CafeOBJ Report: The Language, Proof Techniques, and Methodologies for Object-Oriented Algebraic Specification**, World Scientific, (1998).

159. M. Nakamura, K. Ogata, K. Futatsugi: *On Describing Terminating Algebraic Specications Based on Their Models*, **Lecture Notes in Engineering and Computer Science 2195** (2012) pag. 269–274.
*Citează*: R. Diaconescu, K. Futatsugi, **CafeOBJ Report: The Language, Proof Techniques, and Methodologies for Object-Oriented Algebraic Specification**, World Scientific, (1998).

160. I. Ouranos, K. Ogata, P. Stefaneas: *Formal Analysis of TESLA Protocol in the Timed OTS/CafeOBJ*, **Lecture Notes in Computer Science 7610** (2012) pag. 126–142.
*Citează*: R. Diaconescu, K. Futatsugi, **CafeOBJ Report: The Language, Proof Techniques, and Methodologies for Object-Oriented Algebraic Specification**, World Scientific, (1998).

161. Y. Arimoto, S. Iida, K. Futatsugi: *Formalization of Risks and Control Activities in Business Process*, **Lecture Notes in Electrical Engineering 125** (2012) pag. 565–575.
*Citează*: R. Diaconescu, K. Futatsugi, **CafeOBJ Report: The Language, Proof Techniques, and Methodologies for Object-Oriented Algebraic Specification**, World Scientific, (1998).

162. D. Sannella, A. Tarlecki: **Foundations of algebraic specification and formal software development**, Springer (2012), ISBN 978-3-642-17335-6.
*Citează*: R. Diaconescu, K. Futatsugi, **CafeOBJ Report: The Language, Proof Techniques, and Methodologies for Object-Oriented Algebraic Specification**, World Scientific, (1998).

163. A. Cerdán, U. Schnell, S. Segura Gomis, On a relative isodiametric inequality for centrally symmetric, compact, convex surfaces, **Beitrğe zur Algebra und Geometrie** (2012), Online first
    *Citeaza*: C. Vîlcu, *On two conjectures of Steinhaus*, **Geometriae Dedicata 79** (2000), pag. 267–275

164. E.W. Chambers, K.A. Sykes, C.M. Traub, Unfolding Rectangle-Faced Orthostacks, **Proc. CCCG 2012** (2012), pag. 23–28
    *Citeaza*: J. Itoh, J. O'Rourke, C. Vîlcu, Star unfolding convex polyhedra via quasigeodesic loops, **Discrete Comput. Geom. 44** (2010), pag. 35–54

165. H. Ando, Y. Matsuzawa, *Lie group-Lie algebra correspondences of unitary groups in finite von Neumann algebras*, **Hokkaido Math. J. 41** (2012), no. 1, pag. 31–99
    *Citează*: D. Beltiță, *Lie theoretic significance of the measure topologies associated with a finite trace*, **Forum Math. 22** (2010), no. 2, 241–253.

166. B. Cahen, Berezin quantization and holomorphic representations, **Rend. Semin. Mat. Univ. Padova**, în curs de publicare (http://rendiconti.math.unipd.it/forthcoming.php)
    *Citează*: I. Beltiță, D. Beltiță, *Magnetic pseudo-differential Weyl calculus on nilpotent Lie groups*, **Ann. Global Anal. Geom. 36** (2009), no. 3, pag. 293–322.

167. M. Măntoiu, R. Purice, Abstract composition laws and their modulation spaces, **J. Pseudo-Differ. Oper. Appl. 3** (2012), no. 3, 283–307
    *Citează*: I. Beltiță şi D. Beltiță, *Modulation spaces of symbols for representations of nilpotent Lie groups*, **J. Fourier Anal. Appl. 17** (2011), pag. 290–319.

168. M. Măntoiu, R. Purice, Abstract composition laws and their modulation spaces, **J. Pseudo-Differ. Oper. Appl. 3** (2012), no. 3, 283–307
    *Citează*: I. Beltiță şi D. Beltiță, *Continuity of magnetic Weyl calculus*, **J. Funct. Anal. 260** (2011), no. 7, 1944–1968.

169. M. Măntoiu, R. Purice, Abstract composition laws and their modulation spaces, **J. Pseudo-Differ. Oper. Appl. 3** (2012), no. 3, 283–307
    *Citează*: I. Beltiță, D. Beltiță, *Magnetic pseudo-differential Weyl calculus on nilpotent Lie groups*, **Ann. Global Anal. Geom. 36** (2009), no. 3, pag. 293–322.

170. J. Haga, Lévy processes in a step 3 nilpotent Lie group, **PhD Thesis, University of Connecticut** (2012)
    *Citează*: I. Beltiță, D. Beltiță, *Magnetic pseudo-differential Weyl calculus on nilpotent Lie groups*, **Ann. Global Anal. Geom. 36** (2009), no. 3, pag. 293–322.

171. George Z. Voyiadjis, Danial Faghihi, Thermal and Mechanical Responses of BCC Metals to the Fast-Transient Process in Small Volumes, **Journal of Nanomechanics and Micromechanics 2** (2012) 29–41 ;
    *Citeaza*: C. Faciu and A. Molinari, *Evolution of layered structures in a gradient-dependent viscoplastic material*, **Journal De Physique IV 6** (1996) pag. 45–54.

172. J. Avigad, E. Dean, J. Rute, A metastable dominated convergence theorem, **Journal of Logic & Analysis 4** (2012), pag. 1-19
    *Citeaza*: U. Kohlenbach, L. Leuştean, *A quantitative Mean Ergodic Theorem for uniformly*

*convex Banach spaces*, **Ergodic Theory and Dynamical Systems 29** (2009), pag. 1907-1915

173. J. Avigad, J. Rute: *Oscillation and the mean ergodic theorem* (2012), arXiv:1203.4124v1 [math.DS]
     *Citeaza*: U. Kohlenbach, L. Leuştean: *Effective metastability of Halpern iterates in CAT(0) spaces*, **Advances in Mathematics 231** (2012), pag. 2526-2556

174. J. Avigad, J. Rute: *Oscillation and the mean ergodic theorem* (2012), arXiv:1203.4124v1 [math.DS]
     *Citeaza*: U. Kohlenbach, L. Leuştean: *On the computational content of convergence proofs via Banach limits* , **Philosophical Transactions of the Royal Society A 370** (2012), pag. 3449-3463

175. R.A. Boorzoei, A. Paad, Some new types of stabilizers in BL-algebras and their applications, **Indian Journal of Science and Technology 5** (2012), pag. 1910-1915 *Citeaza*: A. Di Nola, L. Leuştean, *Compact representations of BL-algebras*, **Archive for Mathematical Logic 42** (2003), pag. 737 - 761

176. S. Motamed, L. Torkzadeh, Primary decomposition of filters in BL-algebras, **Afrika Matematika** (2012), DOI 10.1007/s13370-012-0091-9
     *Citeaza*: A. Di Nola, G. Georgescu, L. Leuştean, *Boolean products of BL-algebras*, **Journal of Mathematical Analysis and Applications 251** (2000), pag. 106-131

177. I. Oppenheim, Fixed point theorem for reflexive Banach spaces and uniformly convex non positively curved metric spaces, arXiv:1209.5971 [math.GR] (2012)
     *Citeaza*: U. Kohlenbach, L. Leuştean, *Asymptotically nonexpansive mappings in uniformly convex hyperbolic spaces*, **Journal of the European Mathematical Society 12** (2010), pag. 71-92

178. A. B. Saeid, N. Mohtashamnia, Stabilizer in residuated lattices, **University Politehnica of Bucharest Scientific Bulletin - Series A 74** (2012), pag. 65-74
     *Citeaza*: A. Di Nola, L. Leuştean, *Compact representations of BL-algebras*, **Archive for Mathematical Logic 42** (2003), pag. 737 - 761

179. A. Walendziak, M. Wojciechowska-Rysiawa, On complete pseudo-BL-algebras. A Cantor-Bernstein type theorem, **Mathematica Slovaca 62** (2012), pag. 815-828; FI =0.269
     *Citeaza*: G. Georgescu, L. Leuştean, *Some classes of pseudo-BL algebras*, **Journal of the Australian Mathematical Society 73** (2002), pag. 127-153

180. Kostantinos Kanakoglou, Gradings, Bradings, Representations, Pararticles: some open problems, **arXiv:1210.2348v1 [math-ph], 2012**, 25 pagini.
     *Citeaza*: Florin F. Nichita, Bogdan P. Popovici, *Yang-Baxter operators from $(G,\theta)$-Lie algebras*, **Romanian Reports in Physics, Number 3, Vol. 63** (2011), pag. 641-650

181. Robert G. Underwood, Quasitriangular structure on Myhill-Nerode bialgebras, **Axioms 1(2)** (2012), pag. 155-172.
     *Citeaza*: Florin Nichita, *Introduction to the Yang-Baxter Equation with Open Problems*, **Axioms 1(1)** (2012), pag. 33-37.

182. Kostantinos Kanakoglou, Gradings, Bradings, Representations, Pararticles: Some Open Problems, **Axioms 1(1)** (2012), pag. 74-98.
*Citeaza*: Florin F. Nichita, Bogdan P. Popovici, *Yang-Baxter operators from $(G,\theta)$-Lie algebras*, **Romanian Reports in Physics, Number 3, Vol. 63** (2011), pag. 641-650.

### 1.10.1 Autocitari

1. Cristian Anghel, Nicolae Manolache : Globally Generated Vector Bundles on $\mathbb{P}^n$ with $c_1 = 3$, arXiv:1202.6261
   *Citeaza:* S. Barcanescu, N. Manolache, Nombres de Betti dune singularite de Segre-Veronese, **C.R. Sci. Acad. Paris Ser. A 288**, (1979), 237-239

2. Cristian Anghel, Nicolae Manolache : Globally Generated Vector Bundles on $\mathbb{P}^n$ with $c_1 = 3$, arXiv:1202.6261
   *Citeaza:* N. Manolache, Cohen-Macaulay Nilpotent Structures, Rev. Roum. Pures Appl. 31, (1986), 563-575

3. Cristian Anghel, Nicolae Manolache : Globally Generated Vector Bundles on $\mathbb{P}^n$ with $c_1 = 3$, arXiv:1202.6261
   *Citeaza:* N. Manolache, Globally Generated Vector Bundles on P3 with c1 = 3, arXiv:1202.5988v1

4. Nicolae Manolache: Globally Generated Vector Bundles on $\mathbb{P}^3$ with $c_1 = 3$, arXiv:1202.5988
   *Citeaza:* C. Anghel, N. Manolache, Globally Generated Vector Bundles on $\mathbb{P}^n$ with $c_1 = 3$, arXiv:1202.6261

5. Nicolae Manolache: Globally Generated Vector Bundles on $\mathbb{P}^3$ with $c_1 = 3$, arXiv:1202.5988
   *Citeaza:* C. Banica, N. Manolache, Rank 2 stable vector bundles on $\mathbb{P}^3(\mathbb{C})$ with Chern classes $c_1 = -1$, $c_2 = 4$, Math. Z. 190 (1985), 315-339

6. Nicolae Manolache: Globally Generated Vector Bundles on $\mathbb{P}^3$ with $c_1 = 3$, arXiv:1202.5988
   *Citeaza:* N. Manolache, Rank 2 Stable Vector Bundles on $\mathbb{P}^3$ with Chern classes $c_1 = 1$, $c_2 = 2$, Rev. Roum. Math. Pures et Appl., 26, (1981), 1203-1209

7. Nicolae Manolache: Globally Generated Vector Bundles on $\mathbb{P}^3$ with $c_1 = 3$, arXiv:1202.5988
   *Citeaza:* N. Manolache, Cohen-Macaulay Nilpotent Structures, **Rev. Roum. Pures Appl. 31**, (1986), 563-575

8. O. Dumitrescu, Plane curves with prescribed triple points: a toric approach, **Communications in Algebra**
   *Citeaza*: Ciro Ciliberto, Olivia Dumitrescu, Rick Miranda, *Degenerations of the Veronese and applications*, **Bulletin of the Belgian Mathematical Society - Simon Stevin; Volume 16, Number 5** (2009), pag. 771–798

9. C. Anghel, Restriction of stable bundles on an abelian surface. The $c_2 = 1$ case, **Acta Univ. Apulensis Math. Inform. nr. 31** (2012), acceptata
   *Citeaza*: C. Anghel, *Restriction of stable bundles on a jacobian of genus 2 to an embedded curve*, **Acta Univ. Apulensis Math. Inform. nr. 15** (2008), pag. 53–56.

10. V. Ursu, On quasivarieties of nilpotent Moufang loops. II, **Commentationes Mathematicae Universitatis Carolinae 53 (2012), pag. 491–499**

*Citeaza*: V. Ursu, *On quasi-identities of finitely generated commutative Moufang loops*, **Algebra and Logic 30** (1991), pag. 476–481

11. C. Cobeli, M. Vâjâitu, A. Zaharescu, *The distribution of rationals in residue classes*, **Mathematical Reports, 14 (64), no. 1** (2012), 1–20; FI=0.293
*Citează*: V. Augustin, F.P. Boca, C. Cobeli and A. Zaharescu, *The h-spacing distribution between Farey points*, **Math. Proc. Cambridge Philos. Soc. 131, 1** (2001), 23–38.

12. C. Cobeli, M. Vâjâitu, A. Zaharescu, *The distribution of rationals in residue classes*, **Mathematical Reports, 14 (64), no. 1** (2012), 1–20; FI=0.293
*Citează*: F.P. Boca, C. Cobeli and A. Zaharescu, *Distribution of lattice points visible from the origin*, **Comm. Math. Phys. 213, 2** (2000), 433–470.

13. C. Cobeli, M. Vâjâitu, A. Zaharescu, *The distribution of rationals in residue classes*, **Mathematical Reports, 14 (64), no. 1** (2012), 1–20; FI=0.293
*Citează*: F. P. Boca, C. Cobeli and A. Zaharescu, *A conjecture of R.R. Hall on Farey points*, **J. Reine Angew. Math. 555** (2001), 207–236.

14. C. Cobeli, M. Vâjâitu, A. Zaharescu, *The distribution of rationals in residue classes*, **Mathematical Reports, 14 (64), no. 1** (2012), 1–20; FI=0.293
*Citează*: F. P. Boca, C. Cobeli and A. Zaharescu, *On the distribution of the Farey sequence with odd denominators*, **Michigan Math. J. 513**, (2003), 557–574.

15. C. Cobeli, M. Vâjâitu, A. Zaharescu, *The distribution of rationals in residue classes*, **Mathematical Reports, 14 (64), no. 1** (2012), 1–20; FI=0.293
*Citează*: C. Cobeli, A. Iordache and A. Zaharescu, *The relative size of consecutive odd denominators in Farey series*, **Integers 3, A7** (2003), 14 pp. (electronic).

16. C. Cobeli, M. Vâjâitu, A. Zaharescu, *The distribution of rationals in residue classes*, **Mathematical Reports, 14 (64), no. 1** (2012), 1–20; FI=0.293
*Citează*: C. Cobeli and A. Zaharescu, *The Haros-Farey sequence at two hundred years*, **Acta Univ. Apulensis Math. Inform. 5** (2003), 1–38.

17. C. Cobeli, M. Vâjâitu, A. Zaharescu, *The distribution of rationals in residue classes*, **Mathematical Reports, 14 (64), no. 1** (2012), 1–20; FI=0.293
*Citează*: C. Cobeli and A. Zaharescu, *A density theorem on even Farey fractions*, Preprint, 2004.

18. C. Cobeli, M. Vâjâitu, A. Zaharescu, *The distribution of rationals in residue classes*, **Mathematical Reports, 14 (64), no. 1** (2012), 1–20; FI=0.293
*Citează*: C. Cobeli and A. Zaharescu, *On the Farey fractions with denominators in arithmetic progression*, Preprint, 2004.

19. C. Cobeli, M. Vâjâitu, A. Zaharescu, *The distribution of rationals in residue classes*, **Mathematical Reports, 14 (64), no. 1** (2012), 1–20; FI=0.293
*Citează*: C. Cobeli and A. Zaharescu, *A recursive relation and fore–ground geometry*, Preprint, 2005.

20. C. Cobeli, M. Vâjâitu, A. Zaharescu, *The distribution of rationals in residue classes*, **Mathematical Reports, 14 (64), no. 1** (2012), 1–20; FI=0.293
*Citează*: C. Cobeli and A. Zaharescu, Fractions and tesselations. Preprint, 2005.

21. N. Petrakos, G.W. Dinolt, J.B. Michael, P. Stanica, *Cube-Type Algebraic Attacks on Wireless Encryption Protocols*, Computer 42 , Issue 10 , 103–105.
    *Citeaza* T.W. Cusick, P. Stanica, *Cryptographic Boolean Functions* (book), Elsevier – Academic Press, London, 2009

22. Kit-Ho Mak and Alexandru Zaharescu, *Poisson type phenomena for points on hyperelliptic curves modulo p*, **Funct. Approx. Comment. Math. Volume 47** (2012), pag. 65 –78
    *Citeaza*: M. Vâjâitu, A. Zaharescu, *Distribution of values of rational maps on the $F_p-$points on an affine curve*, **Monatshefte fur Mathematik, 136** (2002), pag. 81–86

23. F. Panaite, *More examples of invariance under twisting*, **Czechoslovak Mathematical Journal 62(1)** (2012), pag. 187–195
    *Citeaza*:
    J. Lopez, P. Jara, F. Panaite, F. Van Oystaeyen, *On iterated twisted tensor products of algebras*, **Internat. J. Math. 19(9)**, 1053–1101(2008)

24. F. Panaite, *More examples of invariance under twisting*, **Czechoslovak Mathematical Journal 62(1)** (2012), pag. 187–195
    *Citeaza*:
    C. Nastasescu, F. Panaite, F. Van Oystaeyen, *External homogenization for Hopf algebras. Applications to Maschke's theorem*, **Algebr. Represent. Theory, 2(3)**, 211–226 (1999)

25. J. Rouyer, C. Vîlcu, Sets of tetrahedra, defined by maxima of distance functions, **An. Sti. U. Ovid. Co-Math XX** (2012), pag. 197–2012; FI = 0.052
    *Citeaza*: C. Vîlcu, Properties of the farthest point mapping on convex surfaces, **Rev. Roum. Math. Pures Appl. 51** (2006), pag. 125–134

26. J. Rouyer, C. Vîlcu, Sets of tetrahedra, defined by maxima of distance functions, **An. Sti. U. Ovid. Co-Math XX** (2012), pag. 197–2012; FI = 0.052
    *Citeaza*: C. Vîlcu, T. Zamfirescu, Multiple farthest points on Alexandrov surfaces, **Adv. Geom. 7** (2007), pag. 83–100

27. J. Rouyer, C. Vîlcu, Sets of tetrahedra, defined by maxima of distance functions, **An. Sti. U. Ovid. Co-Math XX** (2012), pag. 197–2012; FI = 0.052
    *Citeaza*: J. Itoh, C. Vîlcu, Farthest points and cut loci on some degenerate convex surfaces, **J. Geom. 80** (2004), pag. 106–120

28. S. Burciu, Mackey type theory for representations of semisimple Hopf algebras, **preprint, arXiv:1208.1037** (2012), pag. 1-15
    *Citeaza*: S. Burciu and L. Kadison and B. Külshammer, *On subgroup depth*, **Int. Electr. J. Alg. 9** (2011), pag. 133 – 166

29. S. Burciu, Kernels of representations of Drinfeld doubles of finite groups, **preprint, submitted** 2012, pag. 1-20
    *Citeaza*: S. Burciu, *Coset decomposition for semisimple Hopf algebras*, **Communications in Algebra 37** (2009), pag. 3573–3585

30. S. Burciu: Normal coideal subalgebras of semisimple Hopf algebras, **Journal of Physics: Conference Series, No. 346** (2012) Algebra, Geometry, and Mathematical Physics, Tjarno Sweden, 25-31 October 2010 editori: S. Paal, A. Stolin
*Citeaza*: S. Burciu, *Coset decomposition for semisimple Hopf algebras*, **Communications in Algebra 37** (2009), pag. 3573–3585

31. S. Burciu, On irreducible representations of genralized quantum doubles, **math archive arxiv: 1202** (2012), 1 − 31
*Citeaza*: S. Burciu, *Clifford theory for cocentral extensions*, **Israel Journal of Mathematics 181** (2011), pag. 111–123

32. S. Burciu, Kernels of representations of Drinfeld doubles of finite groups, preprint, submitted 2012, pag. 1-20
*Citeaza*: S. Burciu, *Normal Hopf subalgebras of semisimple Hopf Algebras*, **Proc. Amer. Math. Soc. 37** (2009), pag. 3969 − 3979

33. S. Burciu: Mackey type theory for representations of semisimple Hopf algebras, preprint arXiv:1208.1037 2012, pag. 1-15
*Citeaza*: S. Burciu and L. Kadison, *Subgroups of depth three and more*, **Surveys in Differential Geometry 15** (2010), pag. 17− 36.

34. S. Burciu: On the irreducible repsentations of generalized quantum doubles, **preprint arXiv:1202.4315** 2012, pag. 1-31
*Citeaza*: S. Burciu, *Coset decomposition for semisimple Hopf algebras*, **Communications in Algebra 37** (2009), pag. 3573–3585

35. S. Burciu, Mackey type theory for representations of semisimple Hopf algebras, preprint, arXiv:1208.1037, (2012), pag. 1-15
*Citeaza*: S. Burciu, *On some Representations of the Drinfel'd Double*, **Journal of Algebra 296**(2006), pag. 480 − 504

36. A.-I. Bonciocat, Lower Ricci curvature bounds for metric measure spaces. **Math. Rep. 14 (3)** (2012), pag. 253 − 278
*Citeaza:* A.-I. Bonciocat, K.-T. Sturm, *Mass transportation and rough curvature bounds for discrete spaces*, **J. Funct. Anal. 256 (9)** (2009), pag. 2944 − 2966

37. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
*Citează*: R. Burstall, R. Diaconescu: *Hiding and behaviour: an institutional approach*, în A. William Roscoe, editor, **A Classical Mind: Essays in Honour of C.A.R. Hoare**, (1994) Prentice-Hall, pag. 75–92.

38. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
*Citează*: R. Diaconescu, *Extra theory morphisms for institutions: logical semantics for multi-paradigm languages*, **Applied Categorical Structures 6(4)**, (1998) pag. 427–453.

39. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.

*Citează*: M. Aiguier, R. Diaconescu: *Stratified institutions and elementary homomorphisms*, **Information Processing Letters 103(1)** (2007) pag. 5–13.

40. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
*Citează*: R. Diaconescu, *Grothendieck institutions*, **Applied Categorical Structures 10(4)**, (2002) pag. 383–402.

41. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
*Citează*: R. Diaconescu, *Institution-independent ultraproducts*, **Fundamenta Informaticæ 55(3-4)**, (2003) pag. 321–348.

42. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
*Citează*: R. Diaconescu, *Elementary diagrams in institutions*, **Journal of Logic and Computation 14(5)**, (2004) pag. 651–674.

43. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
*Citează*: R. Diaconescu: *An institution-independent proof of Craig interpolation theorem*, **Studia Logica 77(1))**, (2004) pag. 59–79.

44. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
*Citează*: R. Diaconescu, *Proof systems for institutional logic*, **Journal of Logic and Computation 16 (3)** (2006) pag. 339–357.

45. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
*Citează*: R. Diaconescu: *Borrowing interpolation*, **Journal of Logic and Computation 22(3)** (2012) pag.561–586.

46. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
*Citează*: R. Diaconescu, *Institutions, Madhyamaka and universal model theory*, în **Perspectives on Universal Logic**, editori Jean-Yves Béziau, Alexandre Costa-Leite, Polimetrica, (2007) pag. 41–65.

47. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
*Citează*: R. Diaconescu, **Institution-independent Model Theory**, Birkhäuser (2008).

48. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
*Citează*: R. Diaconescu, K. Futatsugi, **CafeOBJ Report: The Language, Proof Techniques, and Methodologies for Object-Oriented Algebraic Specification**, World Scientific, (1998).

49. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
    *Citează*: R. Diaconescu, K. Futatsugi, *Logical foundations of CafeOBJ*, **Theoretical Computer Science 285**, (2002) pag. 289–318.

50. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
    *Citează*: R. Diaconescu, Joseph Goguen, Petros Stefaneas, *Logical support for modularisation*, în **Logical Environments**, editori G. Huet, G. Plotkin, Cambridge Univ. Press, (1993) pag. 83–130.

51. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
    *Citează*: R. Diaconescu, M. Petria: *Saturated Models in Institutions*, **Archive for Mathematical Logic 49(6)** (2010), pag. 693–723.

52. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
    *Citează*: R. Diaconescu, P. Stefaneas, *Modality in open institutions with concrete syntax*, **Bulletin of the Greek Mathematical Society 49** (2004) pag. 91–101.

53. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
    *Citează*: R. Diaconescu, P. Stefaneas, *Ultraproducts and possible worlds semantics in institutions*, **Theoretical Computer Science 379(1)**, (2007) pag. 210–230.

54. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
    *Citează*: T. Mossakowski, J. Goguen, R. Diaconescu, A. Tarlecki, *What is a logic?*, în **Logica Universalis**, editor Jean-Yves Béziau, Birkhäuser (2005) pag. 113–133.

55. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
    *Citează*: T. Mossakowski, R. Diaconescu, A. Tarlecki: *What is a Logic Translation?*, **Logica Universalis 3(1)**, (2009) pag. 59–94.

56. R. Diaconescu: *Three decades of institution theory*, în **Universal Logic: An Anthology**, editor J.-Y. Béziau, Springer (2012), pag. 309–322.
    *Citează*: M. Petria, R. Diaconescu: *Abstract Beth definability in institutions*, **Journal of Symbolic Logic 71(3)**, (2006), pag. 1002-1028.

57. J. Rouyer, C. Vîlcu, Sets of tetrahedra, defined by maxima of distance functions, **An. Sti. U. Ovid. Co-Math XX** (2012), pag. 197–2012; FI = 0.052
    *Citeaza*: J. Itoh, C. Vîlcu, Farthest points and cut loci on some degenerate convex surfaces, **J. Geom. 80** (2004), pag. 106–120

58. J. Rouyer, C. Vîlcu, Sets of tetrahedra, defined by maxima of distance functions, **An. Sti. U. Ovid. Co-Math XX** (2012), pag. 197–2012; FI = 0.052
    *Citeaza*: C. Vîlcu, T. Zamfirescu, Multiple farthest points on Alexandrov surfaces, **Adv. Geom. 7** (2007), pag. 83–100

59. J. Rouyer, C. Vîlcu, Sets of tetrahedra, defined by maxima of distance functions, **An. Sti. U. Ovid. Co-Math XX** (2012), pag. 197–2012; FI = 0.052
*Citeaza*: C. Vîlcu, Properties of the farthest point mapping on convex surfaces, **Rev. Roum. Math. Pures Appl. 51** (2006), pag. 125–134

## 1.11 Conferinte invitate/plenare/keynote prezentate la o manifestare stiintifica internationala

1. Dan Tiba: Univ. of Bucharest, August 2012 (French-Romanian meeting in applied mathematics) "Domains of class C; properties and applications"

2. Florin Radulescu: *Free groups, Sl(2,z[1/p])'s, Countable, measure preserving equivalence relations and Ramanujan Petersson Conjectures.*invited speaker Noncommutative Geometry: Multiple Connections. May 7-18, 2012, Ohio State University, Columbus, organizator Henri Moscovici, Vitaly Bergelson, James Cogdell, Alain Connes, Avner Friedman, Roman Holowinsky, Wenzhi Luo,

3. Florin Radulescu: *Free groups, Sl(2,z[1/p])'s, Countable, measure preserving equivalence relations and Ramanujan Petersson Conjectures.*, Workshop on the Connes'embedding conjecture, Neuchatel, 23-27 April 2012, Neuchatel, organization A. Valette

4. Florin Radulescu: *Free groups, Sl(2, z[1/p])'s, Countable, measure preserving equivalence relations and Ramanujan Petersson Conjectures*, invited speaker, 24nd International Conference on Operator Theory July 2-7, 2012 West University of Timisoara Timisoara, Romania

5. Serban Belinschi: *Some unitarily invariant matrix models: on the large N behaviour of eigenvalues and eigenspaces*, Canadian Operator Symposium, Kingston, ON, Canada, 21–25 Mai 2012, organizatori: James Mingo, Roland Speicher, (2012),

6. Serban Belinschi: $L^\infty$-*bound for densities of free convolutions, unitary integrals and subordination*, Free Probability and Large N Limit, UC Berkeley, Berkeley, CA, USA, 28 Martie–1 Aprilie 2012, organizatori: D. Shlyakhtenko, D. Voiculescu (2012).

7. Vicentiu Radulescu: *Nonstandard phenomena in some classes of nonlinear eigenvalue problems*, 18e Colloque de la Société Mathématique de Tunisie, Mahdia, 19-22 March 2012, organizator: Société Mathématique de Tunisie, (2012).

8. Vicentiu Radulescu: *Nonstandard phenomena in some classes of nonlinear eigenvalue problems*, Mini-symposium *Variational Methods and Nonlinear PDEs*, 7th European Conference on Elliptic and Parabolic Problems, Gaeta, May 20–25, 2012, organizator: Univ. Zürich (2012).

9. Vicentiu Radulescu: *Degenerate phenomena in nonlinear eigenvalue problems*, International Conference in Honor of Professor Patrizia Pucci's 60th birthday, University of Perugia, May 28–June 1, 2012, organizator: Univ. Perugia (2012).

10. Vicentiu Radulescu: *Fixed point methods in the study of nonlinear differential equations*, 10th International Conference on Fixed Point Theory and its Applications, Cluj, July 9-15, 2012, organizator: UBB Cluj (2012).

11. Vicentiu Radulescu: *Perturbation effects in some problems arising in the study of the electrorheological fluids*, International Winter School on Mathematical Fluid Dynamics, Levico Terme, Trento, Italy, December 16-21, 2012, organizator: Univ. Trento & Fondatione Bruno Kessler, (2012).

12. Mihaela Pilca: *Lowest Eigenvalue of the Dirac Operator on Kähler Manifolds and Special Holonomy*, Workshop: Geometric Structures on Manifolds, Banff International Research Center, Banff, Canada, 18.04.2012.

13. Corina Calinescu: *Algebraic and Combinatorial Approaches to Representation Theory*, University of Cali- fornia Riverside, May 2012 , organizatori: Vyjayanthi Chari, Jacob Greenstein, Kailash Misra (2012)

14. Lucian Beznea: *Potential theory of infinite dimensional Lévy processes,* International Conference on Controlled Deterministic and Stochastic Systems", Iaşi, Romania, July (2012).

15. Tudor Zamfirescu: *Non-concurrent longest cycles in lattice graphs*, International Conference on the Mathematics of Distances and Applications, Varna, Bulgaria, 2–5 iulie, organizatori: ITHEA International Scientific Society, and the Institute of Mathematics and Informatics, BAS (Bulgaria) (2012).

16. Tudor Zamfirescu: *Acute Triangulations*, Spring Workshop on Recent Advances in Graph Theory and Combinatorics, Lahore, Pakistan, 17–19 februarie, organizatori: Centre for Advanced Studies in Mathematics (2012).

17. Tudor Zamfirescu: *Sur les chances de l'ordre allemand dans la réalité russe: Combien d'espaces d'Alexandrov sont-ils riemanniens?*, Colloque de géométries, Mulhouse, France, 27–29 septembrie, organizatori: Laboratoire de Mathématiques, Informatique et Applications (2012).

18. Paltin Ionescu: *On defective manifolds*, 15 years of Pragmatic Conference on Algebraic Geometry and Commutative Algebra, Catania sept. 2012, org. A. Ragusa et al., (2012)

19. Paltin Ionescu: *Varieta' coperte da rette, Congettura di Hartshorne per varieta' quadratiche e difetto duale* Workshop - "Algebraic Geometry: 2 days in Rome 2", Roma feb. 2012, org. F. Flamini et al. (2012)

20. Delia Ionescu: *Variational derivation of irrotational shallow-water models: a Green-Naghdi model and a two-component Camassa-Holm model*, Mathematical Aspects of Water Waves, King's College London, UK, 15-17.03.2012, organizatori: A. Constantin, (2012).

21. Alina Cojocaru: "Frobenius fields of elliptic curves", *Number Theory Workshop*, Institutul de Matematica al Academiei Romane, Bucuresti, Romania, Organizatori: Adrian Diaconu, Alexandru Popa, Vicentiu Pasol, Iunie 2012

22. Alina Cojocaru: "A global characterization of the Frobenius in division fields of Drinfeld modules", *Penn State - Göttingen Number Theory Conference*, University of Göttingen, Germania, Organizatori: Mihran Papikian, Preda Mihailescu, August 2012

23. Alina Cojocaru: "Frobenius fields for elliptic curves", *Conference on Analytic Number Theory in honor of Roger Heath-Brown*, Oxford University, UK, Organizatori: Tim D. Browning, Jonathan Pila, Septembrie 2012

24. Liviu Paunescu: *A convex structure on the set of sofic embeddings*, Workshop on Connes' Embedding Conjecture, Neuchatel April 23-27 2012, organizatori: Alain Valette, Valerio Capraro.

25. Aurelian Gheondea: August 2012: "Triplets of closely embedded Dirichlet type spaces", *Spectral Theory of Differential Operators*, University of Graz, Graz, Austria

26. Ionel Popescu: *Functional Inequalities in One Dimensional Free Probability*, The 13th Romanian-Finnish Seminar, June 26-30, 2012, Ploieşti, Romania, organizers, L. Beznea (Bucharest, co-chair), M. Cristea (Bucharest), A. Gheondea (Ankara and Bucharest, co-chair), C. Joita (Bucharest), J. Kinnunen (Helsinki), G. Kohr (Cluj-Napoca), M. Vuorinen (Turku), V. Ulmanu (Ploie?ti, chair), M. Pascu (Ploie?ti), O. Lupa?cu (Bucharest), A.-G.Oprina (Bucharest)

27. Ionel Popescu: *Normalized Ricci flow convergence on surfaces, a stochastic approach*, - Probability and Related Aspects, Alba Iulia, Romania, May 22 - 26, 2012, organizers Lucian Beznea (Bucharest) and Ionel Popescu (Bucharest and Atlanta)

28. Lucretiu Stoica: Scalar conservation laws with fractional stochastic forcing, International Conference on Controlled Deterministic and Stochastic Systems, Iaşi, July 2-7, 2012.

29. Rares Rascodeanu: "Relative open Gromov-Witten invariants", "The 2012 Lehigh University Geometry and Topology Conference", Lehigh University, Bethlehem, PA, SUA, May 25-27, 2012, organizator D. Johnson.

30. Liviu Ornea: *Blow-ups and submersions of locally conformally Kaehler manifolds*,Geometry of Kaehler manifolds, 21-25 May 2012, Laboratoire de Mathatiques Jean Leray, Nantes (Franta), organizator: Yann Rolin.

31. Viorel Nitica: *The structure of max-plus hemispaces*, International workshop TROPICAL-12 on tropical and idempotent mathematics, Moscow, Russia, August, organizatori: G. Litvinov, S. Sergeev (2012)

32. Mario Maican: *On the geometry of the moduli space of semi-stable plane sheaves with Hilbert polynomial* $6m + 3$, The Sixth Annual International Conference on Mathematics, Statistics and Mathematics Education, Athens, Greece, 11.06.2012, organizatori: Gregory T. Papanikos, Vladimir Akis, (2012),

33. Cristian Bereanu: *Variational methods for nonlinear perturbations of the mean curvature operator in Minkowski space*, The 9th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Orlando, Florida, USA, 1-5 Iulie, organizatori: S. Hu etc., (2012).

34. Aida Timofte: *Existence, uniqueness and homogenization for ferroelectric materials*, XIème Colloque Franco-Roumain des Mathématiques Appliquées", Workshop Exploratoire Equations aux Derivees Partielles et Applications, 27.08.2012–29.08.2012, organizatori: Victor Tigoiu, Mircea Sofonea, Bucuresti, (2012).

35. Eugen Mihailescu: *Hyperbolic dynamics on folded saddle sets*, Thermodynamical Formalism, Stochastics and Geometry Conference, Mathematisches Forschungsinstitut Oberwolfach, Germany, Jan. 2012, organizatori: B. Stratmann, M. Urbanski, A. Zdunik, (2012).

36. Eugen Mihailescu: *1-sided Bernoullicity and dynamical consequences*, Mathematical Colloquium, University of Bremen, Germania, 29 Mai 2012.

37. Eugen Mihailescu: *Production d'entropie pour systemes dynamiques non-reversibles*, Workshop Equations aux derivees partielles et applications, Univ. Bucuresti, organizatori: V. Radulescu, L. Rifford, V. Tigoiu, M. Sofonea, s.a (2012).

38. Eugen Mihailescu: *Higher dimensional hyperbolic dynamics*, University of Bremen Dynamics and Geometry Seminar, Mai (2012).

39. Andrei Negut: *K-theory of Moduli Spaces of Sheaves*, Southern California Algebraic Geometry Day, Caltech, 17.11.2012, organizatori: Dragos Oprea,

40. Gruia Arsu: *On Kato-Sobolev type spaces*, Seminar on Harmonic Analysis, Bucharest, 21-22 September 2012, organizatori: Ingrid Beltiţă, Daniel Beltiţă, Radu Purice, (2012).

41. Sergiu Moroianu: *The Cauchy problem for Einstein metrics and for parallel spinors*, Analysis and Geometric Singularities, Oberwolfach, 6–12 mai 2012, organizatori: Jochen Bruning, Berlin; Rafe Mazzeo, Stanford; Paolo Piazza, Roma. (2012)

42. Dan Timotin: *Truncated Toeplitz operators*, Wabash Seminar, Crawfordsville, februarie 2012, organizatori: Hari Bercovici, Marius Dadarlat, Marius Junge. (2012).

43. Dan Timotin: *Numerical ranges of contractions*, 13th Romanian-Finnish Seminar, Ploieşti, iunie 2012, organizatori principali: L. Beznea, A. Gheondea. (2012).

44. Dan Timotin: *Factorization of analytic self-maps of the upper half-plane*, Workshop on Operator Theory, Complex Analysis, and Applications, Lisabona, iulie 2012, organizatori: Cristina Camara, Cristina Diogo, Teresa Malheiro. (2012).

45. Stefan Papadima: *Classifying spaces and cohomology jump loci*, Singularités d'équations différentielles en géométrie algébrique, CIRM Luminy, 4-8 iunie, organizatori: C. Sabbah, A. Dimca, C. Hertling (2012)

46. Costina Valcu: *Critical points for distance functions on surfaces*, Colloque de géométries, Mulhouse, 27–29 septembrie, organizatori: A. Fruchard (LMIA-UHA), A. Hadjar (LMIA-UHA), A.r Makhlouf (LMIA-UHA), T. Sari (Cemagref/Irstea, Montpellier), P. Piu (Università di Cagliari), (2012),

47. Liana David: *Invariant generalized complex structures on Lie groups*, Symmetries in Differential Geometry and Mathematical Physics (Conference in the honour of D. V. Alekseevsky), Luxembourg, 3-6 septembrie, organizatori: Andrea Altomani, Andrea Santi, (2012)

48. Liana David: *F-manifolds and eventual identities*, Singularity Theory and Integrable Systems, Oberwolfach, 24-28 aprilie, organizatori: B. Dubrovin, C. Hertling, I. Strachan, K. Wendland, (2012)

49. Laurentiu Maxim: *$L^2$-Betti numbers of hypersurface complements*, Mini-Workshop "Cohomology Rings and Fundamental Groups of Hyperplane Arrangements, Wonderful Compactifications, and Real Toric Varieties", Oberwolfach, Germany, Sept. 30–Oct. 6, 2012, organizatori: Graham Denham, Alex Suciu, (2012)

50. Laurentiu Maxim: *Characteristic numbers of singular complex varieties*, Mini-Workshop "Topology of Real Singularities and Motivic Aspects", Oberwolfach, Germany, Sept. 30–Oct. 6, 2012, organizatori: Georges Comte, Mihai Tibar, (2012),

51. Laurentiu Maxim: *Characteristic classes of singular hypersurfaces*, AIM Workshop "Motivic Donaldson-Thomas theory and singularity theory", Budapest, Hungary, May 2012.

52. Laurentiu Maxim: *Characteristic classes of Hilbert schemes of points via symmetric products*, Special Session on "Singularities in Commutative Algebra and Algebraic Geometry" at the 2012 Spring Central Section Meeting, Lawrence, Kansas, March 2012.

53. N. C. Bonciocat: *"Separability criteria"*, conferinţă invitată în cadrul "Workshop for young researchers in Mathematics", Univ. Ovidius, Constanţa, 10-11 mai 2012, organizatori Universitatea "Ovidius"-Constanţa, Institutul de Matematică "Simion Stoilow" al Academiei Române, Societatea de Ştiinţe Matematice din România, Katholieke Universiteit Leuven, Belgia.

54. F. Ambro: *An injectivity theorem,* Workshop on Algebraic Geometry, Florence, Italy, 14 septembrie, organizatori C. Birkar, P. Cascini (2012)

55. F. Ambro: *Introduction to minimal log discrepancies,* Workshop on ACC for minimal log discrepancies and termination of flips, AIM, Palo Alto USA, 14 mai, organizatori C. Hacon, T. de Fernex (2012)

56. F. Ambro: *Division Flow*, Colloquim, Institute of Mathematics, Chinese Academy of Sciences, Beijing, 16 martie, organizator Y. Chen (2012)

57. F. Ambro: *Singularities in Birational Geometry*, Symposium on Projective Algebraic Varieties and Moduli, Busan, Korea, 16 februarie, organizatori: Y.-H. Kiem, J. Park (2012)

58. Costin Vâlcu: *Critical points for distance functions on surfaces*, Colloque de géométries, Mulhouse, 27–29 septembrie, organizatori: A. Fruchard (LMIA-UHA), A. Hadjar (LMIA-UHA), A.r Makhlouf (LMIA-UHA), T. Sari (Cemagref/Irstea, Montpellier), P. Piu (Università di Cagliari), (2012),

59. Marian Aprodu: *Syzygies in Algebraic Geometry, with an exploration of a connection with String Theory*, Banff, Canada, 12-17 august, organizatori: Lawrence Ein, David Eisenbud, Gavril Farkas, Irena Peeva, (2012),

60. Daniel Beltiţă: *Symbolic calculus on coadjoint orbits of nilpotent Lie groups*, conferinţa „XXXI Workshop on Geometric Methods in Physics", Białowieża, Polonia, 24–30 iunie 2012, organizatori: A. Odzijewicz, T. Goliński, S.T. Ali, V. Buchstaber, A. Dobrogowska, P. Kielanowski, M. Schlichenmaier, A. Sliżewska şi Th. Voronov (2012).

61. Marius Buliga: *Metric spaces with dilations and sub-riemannian geometry from an intrinsic viewpoint* , mini-curs,CIMPA research school on sub-riemannian geometry, January 30 - February 9, Lebanese University, Beirut (Lebanon), 2012

62. Marius Buliga: *Non-euclidean analysis of dilation structures* , Workshop on Differential Geometry and its Applications Iasi, September 2 - 4, 2012

63. Alexandru Constantinescu: *Kalay's conjecture and beyond*,
Tensors and their Geometry in High Dimensions, UC Berkeley, SUA, 25-29 septembrie 2012;
organizatori: Luke Oeding, Noah Giansiracusa.

64. Alexandru Constantinescu: *On h-vectors of matroids*,
Commutative Algebra and Related Topics, Universitá di Genova, Italia, 8-9 iunie 2012;
organizatori: Aldo Conca, Emanuela De Negri, Giuseppe Valla.

65. Mihai Epure: *A Schreier Domain Type Condition*, Workshop for Young Researchers in Mathematics, Constanta, 10-11 Mai, organizatori: F.M.I. Universitatea Ovidius Constanta, I.M.A.R. si Societatea de Stiinte Matematice din Romania , (2012),

66. Mihai Epure: *A New Class of Pseudo-Dedekind Domains and its Star Operations Extensions*, DISCRETE INVARIANTS IN COMMUTATIVE ALGEBRA AND IN ALGEBRAIC GEOMETRY, Mangalia, 3-7 Septembrie, organizatori: F.M.I. Universitatea din Bucuresti, I.M.A.R., Societatea de Stiinte Matematice din Romania si F.M.I. Universitatea Ovidius Constanta, (2012),

67. Mihai Epure: *A Schreier domain type condition and its star operations extensions*, Commutative rings, integer-valued polynomials and polynomial functions, Graz, 16-22 Decembrie, organizatori: Graz University of Technology, (2012),

68. Cristian Făciu: *On wave propagation in phase transforming strings - thermal effects and damping properties*, The International Union of Theoretical and Applied Mechanics (IUTAM) Symposium on Hysteresis and Pattern Evolution in Non-equilibrium Solid-Solid Phase Transitions, Hong Kong, August 15-18, 2012 organizatori: Department of Mechanical Engineering, The Hong Kong University of Science and Technology.

69. Gheorghe Păun: CAIM 2012, Chisinau, Moldova, Iunie 2012 (plenary speaker)

70. Gheorghe Păun: SYNASC 2012, Timisoara, Romania, September 2012 (tutorial)

71. Gheorghe Păun: Asian Conference on Membrane Computing, Wuhan, China, October 2012 (plenary speaker).

72. Laurenţiu Leuştean: *Firmly nonexpansive mappings in classes of geodesic spaces*, 21st International Symposium on Mathematical Programming (ISMP 2012), Berlin, Germany, 19 - 24 august 2012, Invited Session: Variational inequalities and optimization problems on Riemannian manifolds, organizatori: Genaro López-Acedo şi Chong Li (2012)

73. Laurenţiu Leuştean: *Proof mining in nonlinear analysis*, Logic Seminar, Department of Mathematics, University of Illinois at Urbana-Champaign, SUA, 1 mai 2012, invitat de Slawomir Solecki (2012)

## 1.12 Conferinte invitate/plenare/keynote prezentate la o manifestare stiintifica nationala

1. Stefan Mathe: Keynote talk: *Actions in the Eye*, "Workshop exploratoriu: Rezultate actuale si probleme deschise in perceptia vizuala computationala, robotica si in invatarea automata pe scara larga" din cadrul Conferintei "Diaspora in Cercetarea Stiintifica si Invatamantul Superior din Romania", Bucuresti, 25-28 septembrie 2012, organizatori: Cristian Sminchisescu, M. Alex O. Vasilescu, Marius Leordeanu, (2012)

2. Marius Leordeanu *Efficient Closed-Form Solution to Generalized Boundary Detection*, in "Workshop exploratoriu: Rezultate actuale si probleme deschise in perceptia vizuala computationala, robotica si in invatarea automata pe scara larga", organizatori: Cristian SMINCHISESCU, M. Alex O. VASILESCU, Marius Leordeanu, Data: 26-27 Septembrie 2012.

3. Liviu Dinu: *Interactţiuni de tip gazodinamic. Două exemple semnificative de demers constructiv şi clasifiant*, Conferintele Lunare ale IMAR, Bucuresti, 25 Aprilie, (2012)

4. Vicentiu Pasol: *On the Petersson scalar product of arbitrary modular forms*, Workshop for Young Researchers in Mathematics, Constanta, 10-11 Mai, 2012, organizatori: Ambro, Costara, Castryck, Enache, Ibadula, Ignat, Popescu (2012)

5. *Grupuri sofice*, A XVI-a Conferinta Anuala a Societatii de Stiinte Matematice din Romania, Ploiesti 19-20 octombrie 2012, organizatori: Toma Albu, Nicolae Angelescu, Sorin Bucur, Felicia Georgescu, Radu Gologan, Cristian Marinoiu, Ana Maria Nadolo, Mihai Pascu, Doru Stefanescu, Mircea Trifu.

6. Bogdan Ichim: *Rational polytopes in combinatorial voting theory*, The 20th National School on Algebra, Discrete Invariants in Commutative Algebra and in Algebraic Geometry, Mangalia, 02/09/2012 – 08/09/2012, organizatori: Mircea Cimpoeas, Viviana Ene, Bogdan Ichim, Dorin Popescu, Dumitru Stamate, (2012).

7. Toma Albu: *Ce este Teoria Cogalois?*, A 16-lea Conferinta Anuala a SSMR, Ploiesti, octombrie 2012.

## 1.13 Comunicari orale prezentate la o manifestare stiintifica internationala

1. Calin Ambrozie: Solutions to moments problems by differential equations, International Conference on Complex Analysis and Related Topics, 26-30.06.2012, Pitesti, Romania, organizatorii: Universitatea Ploiesti, Institutul de Matematica al Academiei, Universitatile Bucuresti si Helsinki, Turku (Finlanda) (2012)

2. Ilie Valusescu: *Some geometrical aspects of the $\Gamma$-correlated processes*, The 13th Romanian - Finnish Seminar , Ploiesti, June 26-30 2012, organizatori: L. Beznea (Bucharest), M. Cristea (Bucharest), A. Gheondea (Ankara and Bucharest), C. Joita (Bucharest), J. Kinnunen (Helsinki), G. Kohr (Cluj Napoca), M. Vuorinen (Turku), V. Ulmanu (Ploiesti), M. Pascu (Ploiesti), (2012).

3. Ilie Valusescu: *Γ-correlated processes. Geometrical considerations*, 24th International Conference on Operator Theory, OT-24, Timisoara, July 2-7, 2012, organizatori: Institute of Mathematics of the Romanian Academy and West University in Timisoara, (2012).

4. Ilie Valusescu: *Some applications of the maximal function in linear systems theory*, International Workshop on Functional Analysis WFA-2012, Timisoara, 12-14 October 2012, organizatori: D. Popovici (Timisoara), L. Kerchy (Szeged), (2012).

5. Dumitru Stamate: *A Γ-equivariant setting for matroids*, Discrete Morse Theory and Commutative Algebra (Summer School), Institut Mittag Leffler, Sweden, 18 iulie-1 august 2012, organizatori: Bruno Benedetti, Alexander Engstrom,(2012),

6. Mihai Popa: C.M.S. Summer Meeting, Regina, SK, Canada, 2012 - Special Session, Free Probability Theory: New Developments and Applications

7. Mihai Popa: A.M.S. Natl. Meeting, Boston, MA, USA, 2012 - Special Lecture, Progress in Free Analysis Session

8. Liviu Dinu: *Multidimensional wave-wave regular interactions of a gasdynamic type*, The 14th International Conference on Hyperbolic Problems [HYP 2012]. Theory, Numerics and Applications, Padova IT, June, organizatori: Department of Mathematics, University of Padova (2012),

9. Tudor Zamfirescu: *Simplicial convexity*, Szeged Workshop in Convex and Discrete Geometry, Szeged, Ungaria, 21–23 mai, organizatori: University of Szeged, Bolyai (Mathematical) Institute (2012).

10. Tudor Zamfirescu: *Non-expanding mappings and fixed points in graph theory*, Fixed Point Theory and its Applications, Cluj, Romania, 9–15 iulie, organizatori: Babes-Bolyai University Cluj-Napoca (2012).

11. Tudor Zamfirescu: *Few Alexandrov surfaces are Riemann*, The Fourth Geometry Meeting, dedicated to the centenary of A. D. Alexandrov, Saint-Petersburg, Rusia, 20–24 august, organizatori: St. Petersburg Department of Steklov Institute of Mathematics (2012).

12. Barbu Berceanu: *"Basics on local Algabra"* ASSMS Lahore, organizatori: CIMPA, (2012);

13. Barbu Berceanu: *"Les représentations du groupe symétrique et l'algèbre de Arnold"*, *"Modèles algébriques pour les espaces des configurations des variétés projectives complexes"* Nice, organizatori: Université Sophia Antipolis, (2012).

14. Dan Polisevschi: *Homogeneisation dun milieu poreux fracture le long dinterfaces de Beavers-Joseph*, XI-eme Colloque Franco-Roumain de Mathematiques Appliquees, Bucharest, 24-30 august 2012, organizatori: "Simion Stoilow" Institute of Mathematics of the Romanian Academy and University of Bucharest, (2012)

15. Dan Polisevschi: *Homogenizing a low viscosity flow through a fractured porous media*, International Conference of Aerospace Sciences "Aerospatial 2012", Bucharest, 10-12 october 2012, organizatori: "Elie Carafoli" National Institute for Aerospace Research and "Gheorghe Mihoc - Caius Iacob" Institute of Mathematical Statistics and Applied Mathematics of the Romanian Academy, (2012)

16. Ruxandra Stavre: *Asymptotic analysis of a viscous fluid-thin plate interaction: periodic flow*, 11-ème colloque franco-roumain de mathematiques appliquées, Bucuresti, 24-30 august 2012, organizatori: Institute of Mathematics Simion Stoilow of the Romanian Academy, Facultatea de Matematica si Informatica a Universitatii Bucuresti, (2012),

17. Ruxandra Stavre: *Viscous fluid-thin elastic structure interaction: asymptotic modeling*, International Conference of Aerospace Sciences "Aerospatial 2012", Bucuresti, 11-12 octombrie 2012 organizatori: Institutul Naţional de Cercetare-Dezvoltare Aerospaţiala Elie Carafoli, Institutul de Statistică Matematică şi Matematică Aplicată Gh. Mihoc-C. Iacob al Academiei Române (2012)

18. Mihai Pascu: *Characterization of Spaces of Type S*, Seminar on Harmonic Analysis, Bucuresti, 21-22 September 2012, organizatori: Institutul de Matematica al Academiei Romane, (2012),

19. Anca Capatana: *Contrôle optimal frontière d'un problème quasi statique de contact bilatéral avec frottement* - (colaborare cu C. Timofte), XIème Colloque Franco-Roumain de Mathématiques Appliquées, Bucharest, August 24-30, 2012, organizatori: University of Bucharest, Simion Stoilow Institute of Mathematics of the Romanian Academy, Romanian Academy, Faculty of Mathematics and Computer Science of the University of Bucharest, (2012)

20. L. Badea, *Multigrid Method with Constraint Level Decomposition for Variational Inequalities with Contraction Operators*, The Twenty First International Conference on Domain Decomposition Methods, June 25-29, 2012, Rennes, France.

21. L. Badea, *Sur la convergence dune méthode multigrille pour quelques inégalités variationnelles nonlinéaires*, 11ème Colloque Franco-Roumain de Mathématiques Appliquées, 24-30 August 2012, Bucharest, Romania.

22. Gelu Pasa: *Surfactant effects in thin film flows*, Coloviul FRanco-Roman, August , organizatori: Universitatea Bucuresti, (2012),

23. Gelu Pasa: *Surfactant effects in Landau-Levich problem*, Conferinta "Aerospatial - 2012" - Caius Iacob Fluid Mechanics Conference, Septembrie, organizatori: Inst. Nat. Cercetari Aerospatiale si IMA, (2012),

24. Liviu Ornea: *Champs de vecteurs et sous-variétés riemanniennes*, Colloque de géométries, Mulhouse (France), 27–29 sept. 2012, organizatori: M. Goze, A. Hadjar, R. Lutz, P. Piu.

25. Bebe Prunaru: *Poisson boundaries for topological semigroups*, International Conference on Complex Analysis and Related Topics, The 13th Romanian-Finnish Seminar, June 26-30, Ploiesti, Romania, (2012)

26. Ingrid Beltita: *Weyl-Pedersen calculus on coadjoint orbits of nilpotent Lie groups.* 9th International Conference on Harmonic Analysis and Partial Differential Equations, June 11-15, El Escorial, Madrid, organizatori: P. Cifuentes (UAM), J. Garcia-Cuerva (UAM), G. Garrigós (UM), E. Hernández (UAM) J.M. Martell (CSIC), J. Parcet (CSIC), K. Rogers (CSIC), A. Ruiz (UAM), F. Soria (UAM), A. Vargas (UAM), 2012.

27. Ingrid Beltita: *Boundedness properties of the Weyl-Pedersen calculus.* Seminar on Harmonic Analysis, Bucureşti, Septembrie 21-22, organizatori: I. Beltiţă, D. Beltiţă, M. Pascu, R. Purice (IMAR).

28. Dana Bereanu: *Spectral theory for linear relations via linear operators*, 11eme Colloque Franco-Roumain de Mathematiques Appliquees, Bucuresti, 24-30 August, organizatori: D. Iftimie, P. Mironescu, R. Purice, V. Tigoiu, (2012).

29. Dana Bereanu: *Topological methods for boundary value problems involving discrete vector $\phi$- Laplacians*, The 9th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Orlando, Florida, USA, 1-5 Iulie, organizatori: S. Hu etc., (2012).

30. Dana Bereanu: *Spectral theory for linear relations via linear operators*, WOAT 2012, Lisabona, 11-14 Septembrie, organizatori: N. Antonio, etc., (2012).

31. Cristian Bereanu: *Relativistic forced pendulum*, 11eme Colloque Franco-Roumain de Mathematiques Appliquees, Bucuresti, 24-30 August, organizatori: D. Iftimie, P. Mironescu, R. Purice, V. Tigoiu, (2012).

32. Cristian Bereanu: *Nonlinear perturbations of the relativistic operator*, WOAT 2012, Lisabona, 11-14 Septembrie, organizatori: N. Antonio, etc., (2012).

33. Vlad Timofte: *General Stone-Weierstrass theorem*, XI-ème Colloque Franco-Roumain de Mathématiques Appliquées, Bucureşti, 24-30 august 2012, organizatori: Facultatea de Matematică si Informatică, IMAR, (2012).

34. Vasile Ursu: *Classes of Kurosh-Chernikov loops and local theorem for them*, The International Conference on Algebra dedicated to 100th anniversary S.M. Chernicov, August 20–26, 2012, Kyiv, Ukraine, organizatori: National Dragomanov Pedagogical University (2012)

35. Vasile Ursu: *About nilpotent Moufang loops*, International Conference on dedicated to the 120th anniversary of Stefan Banach, September 17–21, 2012. Lviv, Ukraine, organizatori: Ivan Franko National University (2012)

36. Gabriel Baditoiu: *Natural Topologies on Cohomological Invariants with Supports*, The 13th Romanian-Finnish Seminar , Ploiesti, 26-30 iunie, organizatori: IMAR, Facultatea de Matematica, Universitatea Bucuresti, Universitatea Ploiesti, Universitatea Helsinki, Universitatea Turku, Finlanda, (2012),

37. Anca Macinic: *(Partial) formality.*, Arrangements in Pyrénées School on hyperplane arrangements and related topics, Universite de Pau 11 - 15 june 2012, organizatori: Enrique Artal (Universidad de Zaragoza), Jose Ignacio Cogolludo (Universidad de Zaragoza), Daniele Faenzi (Université de Pau), Vincent Florens (Université de Pau), Daniel Matei (IMAR Bucharest), Jean Vallès (Université de Pau), (2012),

38. Anca Macinic: *Graphic arrangements, combinatorial computations and monodromy action on the Milnor fiber*, Hyperplane Arrangements and Related Topics, Universite Sophia-Antipolis Nice, 6 martie 2012, organizator: Alexandru Dimca (2012),

39. Sergiu Moroianu: *Chern-Simons invariants of hyperbolic* 3-*manifolds of finite geometry*, IHP semester on Surface Groups Representations, IHP Paris, 5 martie 2012, organizatori: W. Goldman, O. Guichard, J.-M. Schlenker, A. Wienhart, (2012),

40. Dan Timotin: *Numerical ranges of contractions with finite defect numbers*, Great Plains Operator Theory Symposium, Houston, iunie 2012, organizatori: David Blecher, Bernhard Bodmann, Vern Paulsen, Mark Tomforde, Paulette Willis (2012).

41. Dan Timotin: *The numerical range of a contraction with finite defect indices*, Ninth Advanced Course in Operator Theory and Complex Analysis, Sevilla, iunie 2012, organizatori: M. Cepedello Boiso, A. Montes Rodriguez (2012).

42. Sebastian Burciu: *Irrreducible representations of generalized quantum doubles*, AGMP-8, Workshop Algebra, Geometry and Mathematical Physics, Brno, Czech Republic September 12-14, organizatori: E. Paal, P. Kuusk, A. Stolin, (2012),

43. Liviu Ignat: *Dispersion for Schrödinger equations*, XIme Colloque Franco-Roumain de Mathmatiques Appliques, 24-30/08/2012, Bucharest

44. Liviu Ignat: *Nonlocal evolution problems*, XI-me Colloque Franco-Roumain de Mathematiques Appliquees, 24-30/08/2012, Bucharest

45. Dan Vuza: *Modeling of Spectral Output and Spectral Responsivity of Optoelectronic Devices for PSpice Simulation*, The 6th International Conference "Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies" ATOM-N 2012, Constanta, August 2012, organizatori: SPIE, Universitatea Politehnica Bucuresti, Universitatea Maritima Constanta (2012)

46. Razvan Diaconescu: *A module algebra for behavioural specifications*, The 21th Workshop on Algebraic Development Techniques, Salamanca, Spain, June 2012, organizatori: N.-M. Oliet, M. Palomino, (2012).

47. Razvan Diaconescu: *Towards Automated Structural Induction: an institution-independent methodology*, Third Romanian-Japanese Algebraic Specification Workshop, Sinaia, Romania, April 2012, organizatori: R. Diaconescu, K. Futatsugi, (2012).

48. F. Ambro: *Toric division flow*, Workshop for Young Researchers in Mathematics, Universitatea Ovidius Constanta, 10 mai, organizatori: F. Ambro, D. Ibadula (2012)

49. Cristian-Mihai Cazacu: *Controllability of the wave equation with a quadratic singular potential localized on the boundary*, **XI'eme Colloque Franco-Roumain de Mathematiques Appliquees**, Bucuresti, Romania, 27 August, 2012.

50. Cristian-Mihai Cazacu: *Numerical methods for Schröodinger operators with inverse square potentials*, **Aquitaine- Euskadi Workshop on Applied Mathematics**, Bilbao, Spania, 7 Iunie, 2012.

51. Cristian-Mihai Cazacu: *Optimal constants in multipolar Hardy Inequalities*, **Workshop for Young Researchers in Mathematics**, Constanta, Romania, 11 Mai, 2012.

52. Cristian-Mihai Cazacu: *Finite-Element approaches for Schrodinger operators with inverse square potentials*, **Basque / Hungarian Workshop on Numerical Methods for Large Systems**, Bilbao, Spania, 26 April, 2012.

53. Daniel Beltiţă: *On faithful representations of nilpotent Lie algebras within certain categories*, conferinţa „Seminar on Harmonic Analysis", Institutul de Matematică „Simion Stoilow" al Academiei Române, Bucureşti, 21–22 septembrie 2012, organizatori: D. Beltiţă, I. Beltiţă, M. Pascu şi R. Purice (2012).

54. Daniel Beltiţă: *Symbol spaces on coadjoint orbits of nilpotent Lie groups*, conferinţa „Harmonic Analysis, Convolution Algebras, and Special Functions", Technische Universität München, Germania, 10–14 septembrie 2012, organizatori: R. Lasser, J. Obermaier, M. Rösler, M. Voit, A. Weinmann (2012).

55. Daniel Beltiţă: *On the representation theory of infinite-dimensional unitary groups*, conferinţa „The 24th International Conference on Operator Theory", Universitatea de Vest din Timişoara, România, 2–7 iulie 2012, organizatori: Institutul de Matematică „Simion Stoilow" al Academiei Române şi Universitatea de Vest din Timişoara (2012).

56. Cristian Făciu: *On the structure of impact induced interphase layers - a heat conducting Maxwellian rate-type approach to solid-solid phase transitions*, $8^{th}$ European Solid Mechanics Conference, iulie 9-13, 2012, organizatori: Graz University of Technology and European Mechanics Society (EUROMECH), (2012)

57. Laurenţiu Leuştean: *An application of proof mining in nonlinear analysis*, Logic Colloquium 2012, Manchester, Marea Britanie, 12 - 18 iulie 2012, organizatori: Association for Symbolic Logic (2012)

58. Laurenţiu Leuştean: *Applications of proof mining in nonlinear ergodic theory*, Turing Centenary Conference CIE 2012, 18 - 23 iunie 2012, University of Cambridge, Marea Britanie, organizatori: Computability in Europe

## 1.14 Comunicari orale prezentate la o manifestare stiintifica nationala

1. Eduard Bazavan: *Fourier Kernel Learning*. Workshop exploratoriu in cadrul conferintei "Diaspora in Cercetarea Stiintifica si Invatamantul Superior din Romania". Workshopul Nr. 3 "Rezultate actuale si probleme deschise in perceptia vizuala computationala, robotica si in invatarea automata pe scara larga", 25-28 Septembrie 2012, Bucuresti

2. Cristian Sminchisescu: *Figure-ground Segmentation for Sequential Visual Interpretation*, in Conferinta Diaspora, Workshop exploratoriu: Rezultate actuale si probleme deschise in perceptia vizuala computationala, robotica si in invatarea automata pe scara larga, 26-27 Septembrie 2012.

3. Dumitru Stamate: *Shellings for semigroups*, Discrete Invariants in Commutative Algebra and Algebraic Geometry, Mangalia, 3-7 sept 2012, organizatori (comitet stiintific): W. Bruns, D. Popescu, P. Schenzel (2012),

4. Dumitru Stamate: *Semigroups with few generators and shellings*, Workshop for Young Researchers in Mathematics, Special Session on Commutative Algebra, Univ. Constanta, 11 mai 2012, organizatori: Bogdan Ichim, Denis Ibadula, Dumitru Stamate, Marius Vladoiu (2012),

5. Radu Gologan: *Meode algebrice si grafice in combinatorica*, Conferinţa anuală a Societăţii de Ştiinte Matematice, 20-21 octombrie 2012, organizatori: SSMR şi Institutul de Petrol-Gaze Ploieşti, (2012),

6. Alexandru Popa: *Period polynomials and modular forms*, Workshop for Young Researchers in Mathematics, Constanta, May 2012, organizatori: C. Costara, D. Ibadula, C. Enache, L. Ignat

7. Mihai Cipu: *Common values of recurrent sequences*, Conferinţa "Diaspora în Cercetarea Ştiinţifică Românească", Bucureşti, 25–28 septembrie 2012, organizatori: Ministerul Educaţiei, Cercetării, Tineretului şi Sportului, Autoritatea Naţională pentru Cercetare Ştiinţifică, Consiliul Naţional de Atestare a Titlurilor, Diplomelor şi Certificatelor Universitare, Unitatea Executivă pentru Finanţarea Învăţământului Superior, a Cercetării, Dezvoltării şi Inovării, (2012).

8. Mihai Cipu: *Variaţiuni pe o problemă de olimpiadă*, A XVI-a Conferinţă Naţională a Societăţii de Ştiinţe Matematice din România, Ploieşti, 19–21 octombrie 2012, organizatori: Societatea de Ştiinţe Matematice din România, Universitatea Petrol şi Gaze din Ploieşti, Inspectoratul Şcolar Judeţean Prahova (2012).

9. Laurenţiu Leuştean: *Logical metatheorems for metric analysis (I) - (IX)*, Seminarul ştiinţific IMAR "Effective methods in metric analysis", februarie - aprilie 2012, IMAR (2012), organizatori: Marius Buliga, Laurenţiu Leuştean

# 2 Capacitatea de a atrage fonduri de cercetare.

## 2.1 Contracte castigate de la organisme internationale

**Intre 10.000 si 200.000 Euro**

1. Ionel Popescu: *Stochastic Analysis, Mass Transportation and Free Probability (SAMTFP)*, Marie Curie F7 reintegration grant, 2010-2014, funded by European Union Research Unit, **100.000 EUR**

2. Alexandru Popa: *Grant Marie Curie de reintegrare*, Oct. 2009-Oct. 2013, finantat de Comisia Europeana in cadrul FP7, **100.000 EUR**

3. Cristian Bereanu: *YTR - 2011 - 7*, vizite tineri cercetatori, septembrie 2011 - februarie 2012, GENIL Granada, **12000 EURO**.

**Intre 5.000 si 10.000 Euro**

1. Radu Pantilie: *Cercetător, Universitatea din Brest, Franţa*, aprilie - iunie 2012, CNRS (Centre National de la Recherche Scientifique), Franţa, **7100 Euro**.

**Alte contracte si pozitii de profesor invitat (nepunctate):**

- George Marinescu: *Symmetries and Universality in Mesoscopic Systems*, collaborative research project, 2007-2015, 500.000 Euro, DFG (German Scientific Council),

- George Marinescu: *Microlocal Analysis and Complex Geometry*, contract individual, 2010-2012, 123.000 Euro, DFG (German Scientific Council),

- Calin Ambrozie: Orbits, invariant subspaces and positivity in operator theory (IAA100190903), contract de cercetare al GA AV (Agentia de Granturi - Academia Ceha), 2009-2013, finantare Cehia; director de grant

- Calin Ambrozie The spectral theory of linear operators and reflexivity (MEB 091101), cooperare bilaterala Cehia - Slovenia, MSMT, 2011-2012, finantat de ministerele de resort; co-director Cehia

- Dan Tiba: Brincusi French-Romanian cooperation programme (2011-2012) programme co-director with C. Murea, Univ. Mulhouse, France

- Viviana Ene: *Invitation Fellowship for Research in Japan*, grant individual de cercetare, Ianuarie-Februarie 2012, 1 080 000 yen, finatat de Japan Society for Promoting Science (JSPS).

- Remus Nicoara: Principal Investigator, NSF award - The Tenth East Coast Operator Algebras Symposium - (2012)

- Mihai Popa: NSFC (National Natural Science Foundation of China) grant No.11150110456 (2012-2013)

- Mihai Popa: **Queen's University**: Postdoctoral Fellow 2011 - present

- Vicentiu Radulescu: Profesor invitat: Université de Poitiers (one week in March 2012)

- Vicentiu Radulescu: Profesor invitat: Jagiellonian and AGH University of Science and Technology of Krakow (one week in May 2012)

- Vicentiu Radulescu: Profesor invitat: University of Perugia (15 May–15 June 2012) with a GNAMPA–INdAM Visiting Professor position

- Vicentiu Radulescu: Profesor invitat: Université de Picardie "Jules Verne", Amiens (November 2012)

- Adrian Diaconu: Conducător ştiinţific, grant NSF (National Science Foundation, SUA), pe perioada 2007-2012.

- Alina Cojocaru: Iunie-Decembrie 2012, *Senior Researcher*, **University of Göttingen**, Institute of Mathematics, Göttingen, Germania

- Alina Cojocaru: 2008-2013, National Science Foundation Career Award, USA (DMS-0747724; Principal Investigator)
  USD 400 000.

- Liviu Paunescu: *Sinergia grant of the Swiss National Science foundation (CRSI22-130435)*, bursa post-doctorala 02/2012-01/2013

- Aurelian Gheondea: Profesor invitat pe perioade de noua luni, septembrie-mai, la Universitatea Bilkent, Ankara, Turcia, in perioada 2007–2012.

- Irina Nenciu: *CAREER: Long-time asymptotics of completely integrable systems with connections to random matrices and partial differential equations (DMS-1150427)*, grant de cercetare, 2012–2017, $500000, National Science Foundation, USA.

- Irina Nenciu: *Midwest Partial Differential Equations Seminar (DMS-1216549)*, grant pentru organizarea unei conferinte bianuale, 20012–2015, $48000, National Science Foundation, USA.

- Irina Nenciu: *Integrable systems and random matrices (DMS-0701026)*, grant de cercetare, 2007–2012, $98000, National Science Foundation, USA.

- Vasile Brinzanescu: *visiting research professor (MPI Bonn)*, temporary agreement-scholarship iulie-august 2012, MPG, Germany

- Vasile Brinzanescu: *visiting research scholar (UPenn)*, temporary agreement-scholarship septembrie-decembrie 2012, Univ. Penn., USA

- Alexandru Popa: *Cercetator invitat,* Max Plank Institute for Mathematics, Bonn, February 11–29, 2012, diurna finantata partial de MPI

- Ruxandra Stavre: Profesor invitat, 1-30 aprilie 2012 Institut Camille Jordan, UMR 5208, Franţa.

- Rares Rascodeanu: Profesor invitat 2010-2014, Departamentul de matematică, Vanderbilt University, Nashville, TN, SUA, sponsorizat de Vanderbilt University, Nashville, TN, SUA.

- Rares Rascodeanu: "Open Gromov-Witten Invariants", aprobat de către IHES, Burres-sur-Yvette, Franţa, pentru o bursă de cercetare la IHES pentru o perioadă de doua luni in vara anului 2013.

- Lori Badea: *Méthodes de Décomposition de Domaine pour les Problémes de Contact avec Frottement*, proiect comun cu Laboratoire de Mécanique et d'Acoustique CNRS et Université d'Aix-Marseille, LEA Math-Mode, 2012, valoare 2000 euro.

- Liviu Ornea: *Locally conformally Kaehler geometry*, cercetator invitat la Max-Planck-Institut fuer Mathematik, Bonn, septembrie-octombrie 2012.

- Liviu Ornea: *Conformal geometry and special holonomy*, bursa GNSAGA la Universitatea "La Sapienza" din Roma (Italia), iunie 2012.

- Mihai Prunescu: *Programare Numerica si Analiza de Semnal - BrainVision Analyzer*, contract permanent, Brain Products G.m.b.H., Freiburg, (Gilching) München, Germania.

- Viorel Nitica: *Chaotic dynamical systems*, collaboration grant 2012-2017, $ 35000, Simons Foundation

- Sergiu Moroianu: LEA MathMode, vizita la Universitatea Versailles, 12-30 noiembrie 2012.

- Sergiu Moroianu: Invitat al Fundatiei de Stiinte Matematice Paris la Ecole Normale Supérieure, septembrie-octombrie 2012.

- Sergiu Moroianu: Profesor invitat, Ecole Polytechnique, Paris, aprilie-iunie 2012.

- Dan Timotin: *Profesor invitat*, ianuarie–mai 2012, Indiana University, Bloomington, SUA.

- Dan Timotin: *Profesor invitat* pe diferite perioade în 2009–2012 la Abdus Salam School of Mathematical Sciences, GC University, Lahore, Pakistan.

- P. Stanica: Temasek Labs @ National University Singapore, *Side Channel Attacks*, $189000, 2012;

- P. Stanica: Office of Naval Research (ONR) - Global, *Visiting Research Scientist* grant $15000, 2012;

- Stefan Papadima: *Twisted homology: homology jump loci*, research grant, aprilie-mai 2012, finantat de Max Planck Institut für Mathematik Bonn

- Schimburi inter-academice CNRS-Academia Română, Univ. Lille 1 - IMAR 2012-2013 (M. Coltoiu, C. Joita)

- Liana David: *Visiting Researcher*, bursa de cercetare, 16 aprilie - 16 iunie 2012, 2100 euro + cazare + pranz, Institut des Hautes Etudes Scientifiques I.H.E.S. (Paris),

- Florin Ambro: Profesor invitat, Institute of Mathematics, Chinese Academy of Sciences, Beijing, China, 4 februarie -18 martie 2012

- Florin Ambro: Profesor invitat, University of Strasbourg, France, 1 septembrie - 30 octombrie 2010

- Alexandru Constantinescu: *Hilbert Functions of Matroids and Pure O-sequences*, proiect de colaborare pe termen scurt de tip "Research in Pairs". Perioada: 8 -22 iulie 2012, finantat de "Centro Internazionale per la Ricerca Matematica", Trento.

- Alexandru Constantinescu: Grant postdoctoral, parte din proiectul *Gorenstein liaison: using commutative algebra to study projective schemes* al Prof. Elisa Gorla (grant no. NMA1522)
1.09.2011- 31.08.2013., finantat de Swiss National Science Foundation.

## 2.2 Contracte castigate de la organisme nationale

**Peste 800.000lei**

1. POSDRU ID 82514, *Doctoratul in stiinte fundamentale, inceputul unei cariere de varf in cercetare*, 2011 - 2014, **9.500.000 lei**

2. Cristian Sminchisescu: *Modele Structurate pentru Recunoasterea Vizuala pe Scara Larga - STRUCTVIS*, proiect ERC-like, tip Grant de excelenta, 2012 - 2015, **6.858.755 lei**

3. C. Sminchisescu: *Rutine Contextuale Pentru Interpretarea Vizuala a Prezentei Umane*, RC-2, 2009-2012, CNCS-UEFISCDI, **6.800.000 lei**

4. C. Sminchisescu: *Metode pe scara larga pentru recunoasterea tri-dimensionala a obiectelor*, 2012-2014, CNCS-UEFISCDI , **1.500.000 lei**

5. Mihnea Coltoiu: *Functii de mai multe variabile complexe*, CNCS-UEFISCDI PN-II-ID-PCE-2011-3-0269, 2012-2014, **1.500.000 lei**

6. Liviu Ignat: *Analysis, Control and Numerical Approximations of Partial Differential Equations*, IDEI, 01/10/2011-30/09/2014, CNCS-UEFISCDI, **1.500.000 lei**

7. Dan Tiba: *Shape optimization and optimal control problems* CNCS Grant PN-II-ID-PCE-2011-3-0211, CNCS-UEFISCDI, 2011-2014, **1.011.500 lei**

8. Dan Timotin *Teoria operatorilor multidimensională. Spaţii cu nucleu reproducător, funcţii necomutative, probleme de momente şi rezultate de dilatare generalizată* , CNCS-UEFISCDI, PN-II-ID-PCE-2011-3-0119, 2011–2014, **1.487.500 lei**

9. Marian Aprodu: *Vector bundle techniques in the geometry of complex varieties*, CNCS-UEFISCDI, PN-II-ID-PCE- 2011-3-0288, **1.381.849 lei**

10. Dorin Popescu: *Algorithmic and theoretical methods for studying monomial and binomial ideals with applications in combinatorics,commutative algebra and graph theory* PN-II-PCE-2011-3-1023, 2012- 2014, **1.500.000 lei**

11. Tudor Zamfirescu: *Generic investigations of Alexandrov spaces with curvature bounded below*, PN-II-ID-PCE-2011-3-0533, 2011-2014, **982.940 lei**

12. Liana David: *Structuri hermitiene si cuaternionice pe varietati si aplicatii*, PN-II-ID-PCE-2011-3-0362, 2012 - 2014, UEFISCDI, **1219585 lei**

13. Daniel Beltiţă: *Operator calculus for Lie group representations, with applications to PDE and quantum physics*, PN-II-ID-PCE-2011-3-0131, 2012–2014, CNCS-UEFISCDI, **1.500.000 lei**

14. Razvan Diaconescu *Universal logic methods for computer science*, PN-II-ID-PCE-2011-3-0439, 2011-2014, UEFISCDI, **800.513 lei**

15. Laurenţiu Leuştean: *Metode efective in analiza metrică, teoria geometrică a grupurilor şi teoria ergodică*, PN-II-ID-PCE-2011-3-0383, 2011 - 2014, CNCS - UEFISCDI, **1455370 lei**

16. Ioan Ionescu: *Mathematical modeling of ductile rupture*, PN-II-ID-PCE-2011-3-0045, 2011-2014, CNCS - UEFISCDI, **1.499.400 lei**

17. Ionel Popescu: *Randomness, Geometric Problems and Functional Inequalities*, RU-TE-2011-3-0259, 2011-2014, UEFISCDI, **920.000 lei**

18. Dan Hernest: *Optimize program synthesis from proofs*, RU-TE-2011-3-0122, 2011-2014, UEFISCDI, **920.000 lei**

### Între 200.000lei si 800.00lei

1. Sergiu Moroianu: *Quantum invariants in hyperbolic geometry*, RU-TE-2011-3-0053, 2012–2014, CNCS - UEFISCDI, **705.000 lei**

2. Vicentiu Pasol: *Forme Modulare explicite si L-Functii* , PD, cod 243, 2010-2012, **340.000 Lei**

3. Bogdan Ichim: *Sistem de algebra computerizata pentru rezolvarea sistemelor de ecuatii si inecuatii diofantice lineare* RP-1-2009, 2009 - 2011, **510.000 lei**

4. Mario Maican: *Spaţii de moduli pentru fascicole de torsiune pe spaţiul proiectiv*, PD, cod 219, 2010 - 2012, **340000 lei**

5. Dana Bereanu: *Operatori multivoci liniari si neliniari*, PN - II - RU - PD - 2011 - 3 - 0052, 2011 - 2013, **300.000 lei**

6. Cristian Bereanu:*Teoria punctului critic si grad topologic pentru Laplacieni relativiti*, PN II / RU - TE - 2011 - 3  0157, 2011-2014, **750.000 lei**

7. *Differential Inclusions and Nonsmooth Variational Problems in Nonlinear Analysis and Applications (PN-II-RU-PD-2011-3-0032)*, Proiect de cercetare postdoctorala - tip PD Octombrie 2011-Octombrie 2013, , CNCS-UEFISCDI, ( Nicusor Costea), **300.000 lei**

8. *Reprezentari de algebre Hopf semisimple si categorii de fuziune, (PD-168)*, PN II Resurse Umane, Proiecte Postdoctorale August 2010 - July 2012, 340.000 Ron, CNCS. (Sebastian Burciu)

9. *Qualitative properties of partial differential equations and their numerical approxima-tions,*, Resurse umane, Tinere Echipe, 28/07/2010 - 27/07/2013, , ANCS-UEFISCDI (Liviu Ignat), **750.000 lei**

10. Florin Ambro: *Inele log canonice (PN-II-RU-TE-2011-3-009)*, RU Tinere Echipe 2011-2014, finantat de CNCS - UEFISCDI, **703.290 lei**

**Intre 50.000 lei si 200.000 lei:**

1. Dorin Popescu: *DISCRETE INVARIANTS IN COMMUTATIVE ALGEBRA AND IN ALGEBRAIC GEOMETRY* grant PN-II-ID-SSA-2012-2-008, contract nr. 7/ 31.05.2012, buget **70.000 lei**

**Sub 50.000 lei**

1. Daniel Beltiţă: ,,Perspective asupra cercetării matematice în societatea bazată pe cunoaştere", contract de finanţare workshop exploratoriu, perioada septembrie-octombrie 2012, Autori-tatea Naţională pentru Cercetare Ştiinţifică, CNCS-UEFISCDI. Valoarea **30.000 lei.**

2. Lucian Beznea: *Workshop Exploratoriu Probability and Related Aspects*, Alba Iulia, Ro-mania, May 23 - 25, 2012 , finantat de Ministerul Educatiei, Cercetarii, Tineretului si Sportului. Valoarea finantarii: **30.000 lei.**

3. Lucian Beznea: *Workshop Exploratoriu New Trends in Complex Analysis and Related Do-mains*, Ploiesti, Romania, June 27 - 29, 2012, finantat de Ministerul Educatiei, Cercetarii, Tineretului si Sportului. Valoarea finantarii: **29.829,40 lei.**

4. Radu Purice: *Workshopul Exploratoriu Metode operatoriale si stocastice, modelare in fiz-ica matematica si aplicatii, cod: PN-II-ID-WE-2012-4-076*, August 2012, ANCS, **29.000 Lei**

## 2.3 Coordonator IMAR intr-un parteneriat national sau interna-tional

1. *Laboratoire Europeen Associe CNRS "Mathématiques et Modélisation" (LEA Math-Mode)*, 2008 - 2015, CNRS-Academia Romana, **30 mii Euro/an.**

2. POSDRU ID 62988, *Cercetarea stiintifica economica, suport al bunastarii si dezvoltarii umane in context european*, conducator de proiect INCE. Valoarea contractului IMAR: **1.861.384 lei**.

3. Lucian Beznea: *Differentiated systems in nonlinear analysis and application*, partener in proiectul PCCE nr. 08/2010, finantat de Ministerul Educatiei, Cercetarii, Tineretului si Sportului. Valoarea finantarii IMAR: **1.841.150 lei**

4. Cristian Făciu: *Modelarea continuă - de la micro la macro scară - a materialelor avansate in fabricaţia virtuală (PN-II-ID-100-PCCE-6/2010)*, subcontract cu Universitatea Tehnică din Cluj-Napoca in cadrul contractului PN2 Idei-PCCE cod CNCSIS 100, perioada: 2010-2013, finantare - CNCSIS. **543.170 lei**

5. Vicentiu Radulescu: *Topological and variational methods at the interplay between geometry and nonlinear analysis*, Contract de colaborare bilaterala Romania - Slovenia, ANCS, **2012 - 2013, 14.000 lei/an**.

6. Dan Vuza: Parteneriat cu firma Freaquent Frosch Electronics OEG (Graz, Austria) in domeniul dezvoltarii de sisteme electronice de comunicatie de tip Radio Frequency Identification (RFID), incepand din 2005

7. Razvan Diaconescu: *Generalizing Truth-functionality (GetFun)*, 318986/FP7-PEOPLE-2012-IRSES, perioada 2013-2016, finanţat de Comisia Europeană. Valoarea totala **222.000 Euro**.

8. Parteneriat IMAR - Softwin Group, burse post-doctorale, visiting professor, pozitii pentru tineri si stagii invitati straini la IMAR, 2012, **80.000 lei**

**Alte fonduri extrabugetare obtinute de IMAR (nepunctate):**

- Academia Română, 2012, **2.000 lei**

- Sponsorizare News Outdor, 2010-2012, **12.960 lei**

- Sponsorizare Elevate Office Group, 2012, **24.000 lei**

- Sponsorizare Fundatia Elias, 2012, **5.500 lei**

- Sponsorizare Fundatia Theta, 2012, **9.100 lei**

- Sponsorizare Netop Tech 2012, **4.500 lei**

## 2.4 Organizari de conferinte internationale

1. Radu Purice: Al 11-lea Colocviu Franco-Roman de Matematici Aplicate, Bucuresti, 24 - 30 August 2012,
http://fmi.unibuc.ro/CFR2012/

2. Daniel Beltita: ,,Perspective asupra cercetării matematice în societatea bazată pe cunoaştere", Institutul de Matematică ,,Simion Stoilow" al Academiei Române, Bucureşti, 26–27 septembrie 2012,
http://imar.ro/~dbeltita/workshop/diaspora2012.html

3. C. Sminchisescu, Marius Leordeanu: Workshopul Exploratioriu WE3 din cadrul conferintei *Diaspora in Cercetarea Stiintifica si Invatamantul Superior din Romania*, 25 − 28 Septembrie, 2012,
http://www.diaspora-stiintifica.ro/

4. Lucian Beznea, Ionel Popescu: *Probability and Related Aspects*, Alba-Iulia, 22-26 mai, 2012; 30 de participanţi din 10 ţări (coorganizator, impreună cu I. Popescu),
http://www.imar.ro/ProbAlbaIulia2012/conf.php

5. Lucian Beznea, C. Joiţa, A. Gheondea, M. Vuorinen şi M. Pascu: *The 13th Romanian-Finnish Seminar*, 26-30 iunie, 2012, Ploieşti, Romania; 90 de participanţi din 15 ţări.
http://imar.ro/RoFinSem2012/conf.php

6. Lucian Beznea: *PDEs and Stochastic Processes-The 5th Workshop Series on Mathematics*, October 12-14, 2012, Pitesti, Romania,
http://imar.ro/PDE&StoPr-Pitesti12/conf.php

7. Vasile Brinzanescu: Colloque en Hommage a Henri Poincare, Bucharest, March 23, 2012
www.imar.ro

8. Alexandru Popa, Vicentiu Pasol: *Workshop on automorphic forms and L-functions*, IMAR, Bucharest, June 6-8, 2012
`http://imar.ro/~apopa/ws2012`

9. Dan Timotin: 24th International Conference on Operator Theory, Timişoara, 2–7 iulie 2012,
`www.imar.ro/~ot`

10. Razvan Diaconescu: Third Romanian-Japanese Algebraic Specification Workshop, Sinaia, Romania, 2-3 April 2012, http://www.imar.ro/∼diacon/rj3.html.

11. Daniel Beltita: ,,Seminar on Harmonic Analysis", Institutul de Matematică ,,Simion Stoilow" al Academiei Române, Bucureşti, 21–22 septembrie 2012,
http://imar.ro/∼ibeltita/harmonic-analysis.html

## 2.5 Organizari de conferinte nationale

1. Dorin Popescu, M. Cimpoieas, Bogdan Ichim, Viviana Ene: The 20th National School on Algebra, Discrete Invariants in Commutative Algebra and in Algebraic Geometry, Mangalia, 02/09/2012 – 08/09/2012
http://math.univ-ovidius.ro/sna/edition.aspx?itemID=6

2. Florin Ambro, B. Ichim, Liviu Ignat: Workshop for Young Researchers in Mathematics, Universitatea Ovidius Constanta, 10-11 mai 2012,
http://math.univ-ovidius.ro/Workshop/2012/WYRM/

3. Conferinta Internationala de Proiect POSDRU CERBUN, 7 octombrie, 2011

**Alte conferinte in organizarea carora au fost implicati cercetatori de la IMAR (nepunctate)**

- Gheorhe Paun: *Asian Conference on Membrane Computing*, Wuhan, China, October 2012.

- Gheorhe Paun: *Brainstorming Week on Membrane Computing*, Sevilla, Spain, February 2012.

- George Marinescu: Summer School Kähler Geometry and Quantization, Köln, July 16 - 20, 2012
http://www.mi.uni-koeln.de/ wkirwin/KaehlerGeom2012/main.html

- Remus Nicoara: The Tenth East Coast Operator Algebras Symposium at the University of Tennessee Knoxville, Fall 2012

- Serban Belinschi: Sesiune specială "Free Probability Theory: New Developments and Applications" la 2012 CMS Summer Meeting, 2–4 Iunie 2012, Regina, SK, Canada, împreună cu Benoît Collins (Ottawa),
  http://cms.math.ca/Events/summer12/sessions_scientific

- Laurentiu Maxim: Singularities in the Midwest, II., Madison, Wisconsin (USA), March 22-24, 2012,
  http://www.math.wisc.edu/∼maxim/Sing12.html

- Irina Nenciu: 69th Midwest Partial Differential Equations Seminar, University of Illinois at Chicago, Chicago, Aprilie 2012,
  http://homepages.math.uic.edu/ jlewis/midwpde/mpde69/index.htm#top

- Vasile Ursu: The 20th conference on applied and industrial mathematics Dedicated to Academician Mitrofan M. Cioban, CAIM 2012, Chisinau, Republic of Moldova, August 22–25, 2012 ,
  http://www.caim2012.ust.md/organizing.html

- Daniel Matei Arrangements in Pyrénées, School on hyperplane arrangements and related topics, Pau, Franţa, 11–15 iunie 2012,
  `http://lma.univ-pau.fr/equipes/algebre-geometrie/arrangements/`

- Radu Gologan: Conferinta Anuala a Societatii de Stiinte Matematice, anual din 2012,
  www.rms.unibuc.ro

# 3 Capacitatea de a pregati superior tineri cercetatori

**Conducere de doctorat**

1. Gheorghe Păun
2. Nicolae Popa
3. Toma Albu
4. Dan Polisevschi
5. Serban Basarab
6. Gheorghe Nenciu
7. Aurelian Gheondea
8. Lucian Beznea
9. Alina Cojocaru
10. Constantin Nastasescu
11. Vasile Brinzanescu
12. Liviu Ornea
13. Vasile Ursu
14. Constantin Varsan
15. Alexandru Zaharescu
16. P. Stanica
17. Marian Vajaitu
18. Stefan Papadima
19. Mihnea Coltoiu
20. Dorin Popescu
21. Marian Aprodu
22. Daniel Beltiţă
23. Razvan Diaconescu
24. Barbu Berceanu
25. Tudor Zamfirescu
26. Vicentiu Radulescu
27. Remus Nicoara
28. Dan Tiba
29. Cristian Sminchisescu
30. George Marinescu
31. Nicolae Manolache
32. Florin Radulescu

**Doctoranzi**

1. Roberto Fernandez, Conducator C.S.I Nicolae Popa
2. Roxana Mihaele Nicolai, Conducator C.S.I Dan Tiba
3. Ovidiu Preda, Conducator C.S.I Mihnea Coltoiu
4. Iulian Mihai Nicolae, Conducator C.S.I Daniel Beltita
5. Lucian Petrescu, Conducator C.S.I Toma Albu
6. Adrian Bradut Apostol, Conducator C.S.I Toma Albu
7. Dan Caragheopol, Conducator C.S.I Serban Basarab
8. Speranta Elena Sirbu (Vladoiu) , Conducator C.S.I Lucian Beznea
9. Ionica Tatiana Ignat, Conducator C.S.I Lucian Beznea
10. Iulian Cimpean, Conducator C.S.I Lucian Beznea
11. Oana Valeria Lupascu, Conducator C.S.I Lucian Beznea
12. Daniela Ghita, Conducator C.S.I Lucian Beznea
13. Ana Maria Boeangiu, Conducator C.S.I Lucian Beznea
14. Marian Haiducu, Conducator C.S.I Lucian Beznea
15. Andrei George Oprina, Conducator C.S.I Lucian Beznea
16. Habib Benfriha, Conducator C.S.I
17. Natalia Gasitoi, Conducator C.S.I Mihnea Coltoiu
18. George Ionut Ionita, Conducator C.S.I Mihnea Coltoiu
19. Nicolae Iulian Tentea, Conducator C.S.I Horia Ene
20. Maria Roxana Vilcescu, Conducator C.S.I Horia Ene
21. Clara-Georgiana Ionescu, Conducator C.S.I Horia Ene
22. Adina Dumitru, Conducator C.S.I Dan Polisevschi
23. Alina Florentina Stanescu, Conducator C.S.I Dan Polisevschi
24. Cristian Cotoarba, Conducator C.S.I Dan Polisevschi
25. Mihaita Berbec, Conducator C.S.I Serban Stratila
26. Ruxandra Dureci, Conducator C.S.I Serban Stratila
27. Catalin Dragan, Conducator C.S.I Serban Stratila
28. Diana Rodica Merlusca, Conducator C.S.I Dan Tiba
29. Cosmin Constantin Nitu, Conducator C.S.I Marian Vajaitu
30. Bogdan Teodor Udrea, Conducator C.S.I Serban Stratila
31. Ovidiu Cristinel Stoica, Conducator C.S.I Vasile Brinzanescu

**Vechime sub 10 ani de la titlul de doctor**

1. Remus Nicoara
2. Bogdan Visinescu

3. Raluca Dumitru

4. Dumitru Stamate

5. Serban Belinschi

6. Mihaela Pilca

7. Vicentiu Pasol

8. Irina Nenciu

9. Dorin Cheptea:

10. Ionel Popescu

11. Alexandru Popa

12. Rares Rascodeanu

13. Bogdan Ichim

14. Mario Maican

15. Olivia Dumitrescu

16. Ingrid Beltita

17. Dana Bereanu

18. Cristian Bereanu

19. Aida Timofte

20. Gabriel Baditoiu

21. Anca Macinic

22. Ionut Chiose

23. Radu Gaba

24. C. Valcu

25. Sebastian Burciu

26. Liviu Ignat

27. Laurentiu Maxim

28. Nicolae Bonciocat

29. Anca Bonciocat

30. Costin Valcu

31. Daniel Beltiţă

32. Florin Stan

33. Laurenţiu Leuştean

# 4 Prestigiu stiintific

## 4.1 Membrii in colectivul editorial al unei reviste cotata Web of Science sau in colectivul editorial al unor edituri internationale consacrate

1. Vicentiu Radulescu: Associate Editor of the *Electronic Journal of Differential Equations* (2011 ISI Impact Factor: 0.427), Perioada: 2009–

2. George Marinescu: Annals of Global Analysis and Geometry, Editura Springer, Perioada 2009–

3. Florin Radulescu: Journal of Operator Theory, 2010

4. Vicentiu Radulescu: Editura: Elsevier (Associate Editor of *Nonlinear Analysis: Theory, Methods & Applications*, 2011 ISI Impact Factor: 1.536), Perioada: 2009–

5. Vicentiu Radulescu: Editura: Elsevier (Associate Editor of the *Journal of Mathematical Analysis and Applications*, 2011 ISI Impact Factor: 1.001), Perioada: 2005–

6. Vicentiu Radulescu: Editura: Taylor & Francis (Member of the Editorial Board of *Complex Variables and Elliptic Equations*, 2011 ISI Impact Factor: 0.532), Perioada: 2008–

7. Vicentiu Radulescu: Editura: Springer (Associate Editor of *Boundary Value Problems*, 2011 ISI Impact Factor: 1.068), Perioada: 2009–

8. Vicentiu Radulescu: Member of the Editorial Board of *Ann. St. Univ. Ovidius Constanta*, Perioada: 2008–

9. Radu Gologan: Bulletin Mathematique de la Societe Mathematique de Roumanie, Perioada: din 2000

10. Tudor Zamfirescu: Bull. Math. Soc. Sci. Math. Roumanie,

11. Tudor Zamfirescu: Carpath. J. Math.

12. Alina Cojocaru: 2009-prezent, International Journal of Number Theory, Editura World Scientific

13. Aurelian Gheondea: Journal of Operator Theory, Theta, Bucureşti, România, 1995-prezent

14. Florin Radulescu: Journal of Operator Theory, Theta, Bucureşti, România,

15. Aurelian Gheondea: Complex Analysis and Operator Theory, Birkhäuser Verlag, Basel, Eleveţia, 2007-prezent

16. Constantin Nastasescu: Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie.

17. Constantin Nastasescu: Analele Ştiinţifice ale Universităţii "Ovidius" din Constanţa, Seria Matematică.

18. Dan Tiba: member of the Editorial Board of "Mathematical Reports" (Bucharest), Romanian Academy

19. Vasile Brinzanescu: An. St. Univ. Ovidius, Perioada 2007-prezent

20. Vasile Brinzanescu: Proc. Rom. Acad., Perioada 2009-prezent

21. Vasile Brinzanescu: Bull. Math. Soc. Sci. Math. Roumanie , Perioada 2011-prezent

22. Liviu Ornea: Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie, 2009–

23. Serban Basarab: Analele ştiinţifice ale Univ. "Ovidius" Constanţa, Seria Matematică.

24. Constantin Varsan: Analele Universitatii Ovidius (Constanta), perioada 2009-2012

25. Mihnea Coltoiu: Proc. Romanian Academy

26. Dorin Popescu: Editura Springer, Central European Mathematical Journal , Perioada; dupa 2005

27. Dorin Popescu: Bulletin Math. Soc. Sc. Math.Roumanie, dupa 2004.

28. Dorin Popescu: Analele Univ. Ovidius, Constanta, dupa 2007.

29. Toma Albu: "*Bulletin Mathematique de la Societe des Sciences Mathematiques de Roumanie*", din 2004.

30. Toma Albu: "*Communications in Algebra*", Taylor & Francis Group, Philadelphia (fost Marcel Dekker, Inc., New York), din 2005.

31. Toma Albu: Revista "*Analele Ştiinţifice ale Universităţii Ovidius Constanţa*", din 2012.

32. Gheorghe Păun: Seria Matematică-Informatică a *Analelor Universităţii Al.I. Cuza din Iaşi*

33. Gheorghe Păun: *Journal of Universal Computer Science* (Springer-Verlag)

34. Gheorghe Păun: *International Journal of Foundations of Computer Science* (World Scientific)

35. Gheorghe Păun: *Natural Computing. An International Journal* (Springer-Verlag)

36. Gheorghe Păun: *Soft Computing* (Springer) – Area editor (DNA and membrane computing)

37. Gheorghe Păun: *BioSystems* (Elsevier)

38. Gheorghe Păun: *Theoretical Computer Science. Natural Computing Series* (Elsevier)

39. Gheorghe Păun: *Fundamenta Informaticae*, Academia Poloneză, Varşovia

40. Gheorghe Păun: *New Generation Computing* (Springer şi Omsha-Japonia)

41. Gheorghe Păun: *Progress in Natural Science* (Elsevier and Science in China Press)

42. Gheorghe Păun: *International Journal of Computers, Communication, and Control*, Univ. Oradea

43. Cristian Sminchisescu: Editor Asociat, IEEE Transactions on Pattern Anlysis and Machine Intelligence (PAMI), IEEE Computer Society, 2009 -

44. Vicentiu Radulescu: Editura: de Gruyter–Versita Book Publishing Program in Mathematics (Associate Editor), Perioada: 2009–

45. Razvan Diaconescu: (seria de carte) *Studies in Universal Logic*, Editura Springer, Perioada din 2007 până în prezent.

46. Dan Timotin: Editura Theta Foundation, Perioada 1995–prezent, editor asociat la *Journal of Operator Theory*

**Membru in colectivul editorial al altor reviste (nepunctate):**

- Dan Tiba: series co-editor "Mathematics and its Applications", Annals of ARS, Bucharest

- Dan Tiba: member of the Editorial Board of "Recreatii Matematice", Iasi, a journal directed to pupils, students and teachers in mathematics

- Vasile Dragan: Editura: International Journal of Innovative, Computing, Information and Control, Perioada: din 2005 pana in prezent.

- Vasile Dragan: ICIC - Express Letters, Perioada: din 2007 pana in prezent.

- Vicentiu Radulescu: Editura: Walter de Gruyter (Editor in Chief of *Advances in Nonlinear Analysis*), Perioada: 2011–

- Vicentiu Radulescu: Editura: Walter de Gruyter (Editor of *Advances in Pure and Applied Mathematics*), Perioada: 2008–

- Vicentiu Radulescu: Member of the Editorial Committee of *Opuscula Mathematica* (Krakow University), Perioada: 2010–

- Vicentiu Radulescu: Member of the Editorial Board of *Revue d'Analyse Numérique et de Théorie de l'Approximation* (Romanian Academy)

- Vicentiu Radulescu: Editor in Chief of the *Annals of the University of Craiova - Mathematics and Computer Science Series*, Perioada: 2002–

- Vicentiu Radulescu: Member of the Editorial Board of *Publications of the Centre for Nonlinear Analysis and its Applications*, Perioada: 2004–

- Vicentiu Radulescu: Associate Editor of *Arhimede*, Perioada: 2005–

- Lucian Beznea: Ann. Univ. Bucuresti, Editura Univ. din Bucuresti

- Lucian Beznea: Advances in Pure and Applied Mathematics, De Gruyter

- Tudor Zamfirescu: An. Univ. Craiova – Ser. Mat.,

- Tudor Zamfirescu: An. Univ. Vest Timisoara – Ser. Mat.

- Paltin Ionescu: Analele Universitatii din Bucuresti, Perioada: din 2010

- Paltin Ionescu: Redactor sef al Annali Universita di Ferrara (Springer), Perioada: din 2012

- Alina Cojocaru: 2012-prezent, Geometry, Editura Hindawi Publishing Corporation

- Aurelian Gheondea: Opuscula Mathematics, AHG University, Cracovia, Polonia, 2005–prezent

- Aurelian Gheondea: Journal of Function Spaces and Applications, Hindawi, Egypt, 2010-prezent

- Constantin Nastasescu: Analele Universităţii din Bucureşti, Seria Matematică.

- Constantin Nastasescu: Revue Roumaine de Mathématiques Pures et Appliquées.

- Constantin Nastasescu: Analele Universităţii din Craiova, Seria Matematică - Informatică.

- Constantin Nastasescu: Mathematica (Cluj).

- Vasile Brinzanescu: Editura Serdica Math. J., Perioada 2006-prezent

- Serban Basarab: Revue Roumaine de Math. pures et appl.

- Liviu Ornea: Annals of the University of Bcharest, Mathematical Series, 2010–

- Vlad Timofte: Editor Asociat, *Australian Journal of Mathematical Analysis and Applications (AJMAA)*, Perioada 2005-prezent.

- Florian Enescu: Algebra, Editura Hindawi, Perioada 2012–present

- Eugen Mihailescu: Discrete and Continuous Dynamical Systems-series S, publicat de American Institute of Mathematical Sciences; Editorial Board Member incepand din 2011.

- Dan Timotin: Springer Verlag, din 2012, editor asociat la *Annali dell'Università di Ferrara*.

- P. Stanica: Associate Editor for *Journal of Discrete Mathematics*, 2012-present.

- P. Stanica: Associate Editor and Number Theory Editor for *European J. Pure and Applied Mathematics*, 2008-present.

- Mihnea Coltoiu: Acta Universitatis Apulensis ( Univ. Alba Iulia)

- Dorin Popescu: Analele Univ. Bucuresti, dupa 2008.

- Toma Albu: Revista *"Gazeta Matematica"*, din 1980.

- Nicolae Popa: Editura Academiei Romane -revue Roumaine de Math. Pures et Appl., Perioada 1987- pana in prezent.

- Gheorghe Păun: Seria Matematică-Informatică a *Analelor Universităţii din Bucureşti*

- Gheorghe Păun: Seria Matematică-Informatică a *Analelor Universităţii din Oradea*

- Gheorghe Păun: *Journal of Computing and Informatics*, fostă *Computers and Artificial Intelligence*, Academia Slovacă, Bratislava

- Gheorghe Păun: *Acta Cybernetica*, Universitatea din Szeged, Ungaria

- Gheorghe Păun: *Journal of Automata, Languages, and Combinatorics*, Universitatea din Magdeburg, Germania

- Gheorghe Păun: *Romanian Journal of Information Science and Technology*, Academia Română ("executiv editor" din 1998 până în 2003)

- Gheorghe Păun: *Computer Science Journal of Moldova*, Academia Moldovei, Chişinău

- Gheorghe Păun: *International Journal of Unconventional Computing*

- Gheorghe Păun: *Journal of Information Systems & Operations management* (Univ. Româno-Americană)

- Gheorghe Păun: *Economic Computation and Economic Cybernetics Studies and Research* (ASE Bucureşti)

## 4.2 Membrii in conducerea unei organizaţii internaţionale de specialitate

1. Cristian Sminchisescu: IEEE, 2001 -prezent

2. Radu Gologan: Comisia de Etica a Societatii Europene de Matematica, Perioada: din 2009

3. Lucian Beznea: European Mathematical Society (EMS), membru al comisiei "Support of East European Mathematicians" a EMS, Perioada 2011-2014.

4. Barbu Berceanu: Abdus Salam SMS, Lahore, unul din cele trei centre de excelenţă în cercetare matematică din Asia, Perioada 2007-2012.

5. Sergiu Moroianu: 2006–2012 Membru al Users Committee SCUC al Zentralblatt Math.

6. Radu Purice, Organizatia: *International Union of Pure and Applied Physics*, Comisia 18 de Fizica Matematica, Perioada 2008 - 20014

## 4.3  Premii obtinute

**Premii nationale:**

1. Serban Belinschi: Premiul "G. de B. Robinson Award" impreuna cu Teodor Banica, Mireille Capitaine şi Benoît Collins, din partea Canadian Mathematical Society, Anul 2012

   **Alte premii (nepunctate):**

   - Gheorghe Păun - Oscarul Romanesc pentru Excelenta, Fundatia pentru Tineret si Episcopia Alexandria, 2012.