



Data 09.01.2009

Concurs pentru ocuparea postului de **C.S. I**
Disciplinele:
Domeniul **MATEMATICA**
de la Catedra/Departamentul de
post publicat in ziarul **Romania Libera** din 9 decembrie 2008

LISTA DE LUCRĂRI

Candidat: **APRODU D. Marian** - Dr. / din 1996, C.S. II / din 2006
(NUME, initiala si prenume) (anul) (Titlul didactic/echiv.) (anul)

1⁰ Teza(ele) de doctorat

T1. Marian Aprodu,

Fibrat vectoriale pe varietati complexe,
Institutul de Matematica al Academiei Romane, 1996
Conducator stiintific: Prof. Dr. Vasile Brinzanescu

2⁰ Carti publicate (C1, C2 etc.), indrumare publicate (I 1, 12 etc.), capitole publicate in volume colective, capitole teoretice redactate, sisteme de laborator functionale etc. (D1, D2 etc.), dupa caz, prin care se aduc contributii la asigurarea si perfectionarea activitatilor didactice/profesionale in raport cu natura criteriului de evaluare TC2

C1. Marian Aprodu,

Geometria Varietatilor Torice,
Editura Academiei Romane, Bucuresti 2008, 129 pag.
(ISBN 978-973-27-1697-7)

C2. Marian Aprodu,

Notiuni de Geometrie Algebrica,
Editura Fundatiei Universitare "Dunarea de Jos" Galati 2008, 127 pag.
(ISBN 978-973-627-425-1)

C3. Marian Aprodu, Jan Nagel,

Koszul cohomology and algebraic geometry,
Preprint MPIM2008-52, trimisa la publicare 2008, 119 pag.

3⁰ Articole / studii publicate in reviste de specialitate recunoscute (R1, R2 etc.), articole/studii publicate in volumele unor manifestari stiintifice internationale recunoscute (Vi1, Vi2 etc.), brevete de inventie (B12, B2 etc.), creatii artistice prezentate la manifestari stiintifice recunoscute (A1, A2 etc.), precum si, dupa caz, alte lucrari similare - articole/studii publicate in volumele unor manifestari stiintifice nationale, lucrari prezentate la diferite seminarii/expozitii etc. (E1, E2 etc.), dupa caz, prin care se aduc contributii la dezvoltarea domeniului in raport cu natura criteriului de evaluare TC3

- R1. Marian Aprodu,** Gianluca Pacienza,
The Green conjecture for exceptional curves on a K3 surface,
 Internat. Math. Res. Notices (IMRN) (2008) 25 pag, doi:10.1093/imrn/rnn043

- R2. Marian Aprodu,** Stefan Kebekus, Thomas Peternell,
Galois coverings and endomorphisms of projective varieties,
 Math. Zeitschrift 260 (2008) 431-449

- R3. Marian Aprodu,** Jan Nagel,
Non-vanishing for Koszul cohomology of curves,
 Commentarii Math. Helvetici 82 No. 3 (2007) 617-628

- R4. Marian Aprodu,**
Remarks on syzygies of d-gonal curves,
 Mathematical Res. Letters 12 No. 3 (2005) 387-400

- R5. Marian Aprodu,**
Green-Lazarsfeld gonality conjecture for a generic curve of odd genus,
 Internat. Math. Res. Notices (IMRN) 63 (2004) 3409-3414

- R6. Marian Aprodu,** Jan Nagel,
A Lefschetz type result for Koszul cohomology,
 Manuscripta Math. 114 (2004) 423-430

- R7. Marian Aprodu,** Matei Toma,
Une note sur les fibres holomorphes non-filtrables,
 C. R. Acad. Sci. Paris 336 No. 7 (2003) 581-584

- R8. Marian Aprodu,** Claire Voisin,
Green-Lazarsfeld's conjecture for generic curves of large gonality,
 C. R. Acad. Sci. Paris 336 No. 4 (2003) 335-339

- R9. Marian Aprodu,**
On the vanishing of higher syzygies of curves.II,
 Math. Zeitschrift 243 No. 4 (2003) 775-778

- R10. Marian Aprodu,** Vasile Brinzanescu,
On the holomorphic rank-2 vector bundles with trivial discriminant over non-Kaehler elliptic bundles,
 J. Math. Kyoto Univ. (JKYAMZ) 42 No. 4 (2002) 617-623

- R11. Marian Aprodu,** Vasile Brinzanescu, Matei Toma,
Holomorphic vector bundles over primary Kodaira surfaces,
 Math. Zeitschrift 242 No. 1 (2002) 63-73

- R12. Marian Aprodu,**
On the vanishing of higher syzygies of curves,
 Math. Zeitschrift 241 No. 1 (2002) 1-15

- R13. Monica Alice Aprodu, **Marian Aprodu**, Vasile Brinzanescu,
A class of harmonic maps and minimal submanifolds,
 International J. Math. 11 No. 9 (2000) 1177-1191
- R14. Monica Alice Aprodu, **Marian Aprodu**,
Implicitly defined harmonic PHH submersions,
 Manuscripta Math. 100 (1999) 103-121
- R15. **Marian Aprodu**, Vasile Brinzanescu,
Moduli spaces of vector bundles over ruled surfaces,
 Nagoya Math. J. 154 (1999) 111-122
- R16. **Marian Aprodu**,
An Appell-Humbert theorem for hyperelliptic surfaces,
 J. Math. Kyoto Univ. (JKYAMZ) 38 No. 1 (1998) 101-121
- R17. **Marian Aprodu**, Vasile Brinzanescu,
Existence of stable rank-2 vector bundles over ruled surfaces,
 Collection of papers in memory of Martin Jurchescu. Rev. Roumaine Math. Pures Appl. 43 No. 1-2 (1998) 47-56
- R18. **Marian Aprodu**, Vasile Brinzanescu,
Stable rank-2 vector bundles over ruled surfaces,
 C. R. Acad. Sci. Paris 325 (1997) 295-300
- R19. **Marian Aprodu**, Vasile Brinzanescu,
Numerical invariants and stability of 2-vector bundles over ruled surfaces,
 An. St. Univ. Ovidius Constanta 5 No. 2 (1997) 9-16
- R20. **Marian Aprodu**, Vasile Brinzanescu,
Fibres vectoriels de rang deux sur les surfaces reglees,
 C. R. Acad. Sci. Paris 323 (1996) 627-630
- Vi1. **Marian Aprodu**, Gavril Farkas,
Koszul cohomology and applications to moduli,
 in: Aspects of vector bundles and moduli, Clay Mathematical Institute, Clay Math. Proc. Vol. 10 (2009)
 American Math. Soc.
- Vi2. **Marian Aprodu**, Vasile Brinzanescu,
Beilinson spectral sequences on rational scrolls,
 in: Moduli spaces and vector bundles, ed. L. Brambila-Paz, S. Bradlow, O. Garcia-Prada and S. Ramanan,
 426-436, Cambridge University Press 2009
- Vi3. **Marian Aprodu**,
Brill-Noether theory for curves on K3 surfaces,
 Contemporary geometry and topology and related topics, 1-12, Cluj Univ. Press, Cluj-Napoca, 2007



Vi4. Marian Aprodu,

Geometry of curves and Koszul cohomology,
Modern trends in geometry and topology, 37-45, Cluj Univ. Press, Cluj-Napoca, 2006

Vi5. Marian Aprodu,

On Green and Green-Lazarsfeld conjectures for generic d -gonal curves,
Oberwolfach Reports No. 7 (2005) 427-430

4^o Proiecte de cercetare-dezvoltare (P1, P2 etc.) pe baza de contract/grant, precum si alte lucrari de cercetare-dezvoltare (F1, F2 etc.), dupa caz, prin care se aduc contributii la dezvoltarea mediului educational/cultural/economic/social etc. in raport cu natura criteriului de evaluare TC4

P1. Director de grant international

Visiting Scientist, Institut des Hautes Etudes Scientifiques Bures-sur-Yvette
(15.11.2008-15.12.2008)

P2. Director de grant international

Max Planck Institute Visiting Fellowship
(01.04.2008-31.05.2008, 01.08.2008-30.09.2008)

P3. Membru al proiectului de cercetare franco-roman

Laboratoire Européen Associé CNRS Franco-Roumain Math Mode MATHEMATIQUES & MODELISATION

P4. Membru al echipei de cercetare in contractul 2-CEX06-11-20/25.07.06

Invarianti ai structurilor algebrice, geometrice si topologice - ISAGET

P5. Membru al echipei de cercetare in contractul 249-Cex-M3-249-2006

Cooperare internationala in domeniul algebrei, geometriei si topologiei – CIDAGT

P6. Director de grant international

Humboldt Return Fellowship
(01.12.2005-30.11.2006)

P7. Membru al echipei de cercetare in contractul CEX05-D11-11/04.10.05

Metode combinatoriale, algebrice, topologice in algebra si geometrie - MATAG

P8. Director de grant international

Humboldt Research Fellowship
(01.11.2004-31.10.2005)

P9. Director de grant international

Junior Associateship Scheme (ICTP Trieste)
(01.01.1999 -31.12.2004)

P10. Director de grant international (contract HPMF-CT-2000-00895)

Marie Curie Individual Research Fellowship
(01.08.20001-31.07.2003)

F1. Marian Aprodu, Daniel Naie,

Log canonical threshold for curves on a smooth surface,
Preprint arXiv: 0707.0783, trimisa la publicare (2007)

F2. Marian Aprodu,

Sur quelques problemes de geometrie complexe,
Teza de Habilitare, Institutul Fourier Grenoble (2002), accesibila la adresa
<http://www-fourier.ujf-grenoble.fr/THESE/ps/t124.ps.gz>

Nota

- (1) Fiecare lucrare este prezentata, in limba in care a fost publicata/expusa, corespunzator structurii "I, II, III, IV, V, VI", unde: I este indicativul (T1, T2 etc.; C1, C2 etc. ...), care se scrie "bold" la lucrarile realizate dupa acordarea ultimului titlu didactic/grad profesional (**C1, I 1** etc., dupa caz); II - autorii in ordinea din publicatie, cu scriere "bold" a **candidatului**; III - *titlul* scris "italic"; IV - editura sau revista sau manifestarea si/sau alte elemente de localizare, dupa caz; V - intervalul de pagini din publicatie, respectiv, pp...-....., numarul total de pagini, respectiv, pg., sau alte date similare, dupa caz; VI - anul sau perioada de realizare, dupa caz.
- (2) In cadrul fiecarui grup de lucrari (C1, C2 etc.; I 1, 12 etc.;), lucrarile sunt in ordine invers cronologica.

Candidat,

C.S. II Dr. Marian APRODU

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