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Prof.dr. Cuculescu Ioan

Data si locul nasterii: 24 septembrie 1936, Cernauti, Ucraina;

Educatia: 1958, Facultatea de Matematica, Universitatea Bucuresti.

Teza de doctorat: 1966, "Contributii la teoria proceselor Markov", cond.st. O.Onicescu;

Pozitii academice: 1958 - 1962 Asistent, Catedra de probabilitati, Fac. de Mat. Univ.Buc.; 1962 - 1967 Cercetator, Institutul de Matematica al Academiei, Buc.; 1967 - 1971 CP3, Institutul de Matematica al Academiei, Buc.; 1971 - 1980 Conferentiar, Catedra de probabilitati, Fac. de Mat., Univ.Buc. Din 1980 este profesor la aceeași catedra.

Cursuri predate: Stochastic processes (anul 4, sectia Applied mathematics), Probabilitati cu aplicatii in fizica (Master); Procese stocastice si statistica teoretica.

Domenii de interes stiintific: Teoria probabilitatilor, Analiza functionala;

Premii ale Academiei: Premiul Simion Stoilow 1976.

Membru in comitetul de redactie al revistei Studii si Cercetari (editat de Academia Romana).

Membru al Institutului International de Statistica, al Asociatiei Romane de probabilitati si Statistica.

Este recenzent la Mathematical Reviews si la Zentralblatt für Mathematik.

Carti si manuale

1. **Algebre Lie**, Editura Academiei Romane 1963, 147p.
2. **Procese Markov si functii excesive**. Editura Academiei Romane, 1968, 355p.
3. (cu O.Onicescu) **Probability theory on boolean algebras of events**, Editura Academiei Romane 1976, 185p.
4. (cu ing.Dr. O.Iordache) **Probabilitati si procese stocastice, aplicatii in ingineria chimica**, Editura Tehnica, Bucuresti 1984, 204p.
5. (cu Dr. Ana Gabriela Oprea) **Noncommutative probabilities**, Kluwer, Dordrecht 1994, 353p.
6. (cu R.Theodorescu si E.Bertin) **Unimodal probability measures**, Kluwer, Dordrecht, 1996, 251p.
7. **Analiza numerica**, Editura Tehnica, Bucuresti 1984, 320p.
8. **Teoria probabilitatilor**, Tipografia Universitatii Bucuresti 1976, 207p.
9. **Lucrari practice de teoria probabilitatilor**, Editura Universitatii Bucuresti 1977, 117p.
10. **Elemente de teoria proceselor stocastice**, Editura Universitatii Bucuresti 1979, 141p.
11. **Teoria Probabilitatilor**, Ed.ALL, Bucuresti 1998, 512p.
12. (cu C.Ottescu si Olimpia Popescu) **Manuale de Geometrie** cl.6, 7, 8, Ed. Didactica si Pedagogica, 1979-81.
13. **Olimpiadele Internationale de Matematica ale Elevilor**, Editura Tehnica, Bucuresti, 1984, 352p.

Articole stiintifice

1. **Généralisation aux groupes quelconques d'un théorème de E.Hille concernant les fonctions facteurs**, Rendiconti Lincei 24(1958), p.15-19.
2. **O demonstratie simpla a unei formule a lui Perron**, Analele Universitatii Bucuresti, 1960, p.7-8.
3. **On the Chapman Kolmogorov relation for P-sum processes**, Bulletin Mathématique de la Société des Sciences Mathématiques de Roumanie, 4(1960), p.23-38.

4. **Relatia Chapman Kolmogorov pentru procese de functii suma**, Comunicarile Academiei Romane 11(1961), p.625-626.
5. **Martingales of sum functions**, Revue Roumaine de Mathématiques Pures et Appliquées 6(1961), p.703-711.
6. **Properties of sample paths of Markov processes**, Revue Roumaine de Mathématiques Pures et Appliquées 11(1966), p.195-204.
7. **On Galmarino's lemma**, Revue Roumaine de Mathématiques Pures et Appliquées 11(1966), p.271-275.
8. (cu C.Foias), **An individual ergodic theorem for positive operators**, Revue Roumaine de Mathématiques Pures et Appliquées 11(1966), p.581-594.
9. **Processes with independent increments with values in a locally compact group**, Revue Roumaine de Mathématiques Pures et Appliquées 12(1967), p.817-827.
10. **The strong Markov property for sum function processes**, Revue Roumaine de Mathématiques Pures et Appliquées 12(1967), p.1179-1184.
11. **Supermartingales on W^* -algebras**, Revue Roumaine de Mathématiques Pures et Appliquées 14(1969), p.759-773.
12. **Spectral families and stochastic integrals**, Revue Roumaine de Mathématiques Pures et Appliquées 15(1970), p.201-221.
13. **Asupra formulei diferentialei aplicatiei exponentiale a unei algebre Lie**, Studii si Cercetari Matematice 22(1970), p.223-227.
14. **Nonuniformly integrable nonnegative martingales**, Revue Roumaine de Mathématiques Pures et Appliquées 15(1970), p.327-337.
15. **Martingales on von Neumann algebras**, Journal of Multivariate Analysis 1(1971), p.17-27.
16. **A proof of $(A \ddot{A} B)' = A' \ddot{A} B'$ for von Neumann algebras**, Revue Roumaine de Mathématiques Pures et Appliquées 16(1971), p.665-670.
17. **A short proof of Itô's formula for stochastic differentials of general continuous semimartingales**, Annals of the University of Bucharest 22(1973), p.103-110.
18. (cu Gabriela Dinescu) **Convergence of conditional mean values with respect to descending semitribes**, Revue Roumaine de Mathématiques Pures et Appliquées 20(1975), p.273-287.
19. **Some remarks concerning the problem of reversing a Markov chain**, Revue Roumaine de Mathématiques Pures et Appliquées 21(1976), p.677-682.
20. **Some constructions of Markov processes I**, Revue Roumaine de Mathématiques Pures et Appliquées 22(1977), p.1397-1410.
21. **Some constructions of Markov processes II**, Revue Roumaine de Mathématiques Pures et Appliquées 24(1979), p.205-212.
22. **Some constructions of Markov processes III**, Revue Roumaine de Mathématiques Pures et Appliquées 24(1979), p.357-372.
23. **O definitie prin recurenta a unor procese Markov omogene, Aplicatii la procesele de asteptare**, Studii si Cercetari Matematice, 41(1989), p.461-472.
24. (cu X.W.Zhuang) **A method of constructing stochastic bases**, Revue Roumaine de Mathématiques Pures et Appliquées 29(1984), p.399-406.
25. (cu V.Bally) **On Nelson's proof for the brownian motion characterisation theorem**, Studii si Cercetari Matematice 40(1988), p.411-415.
26. **Constructions involving Markov processes with time set $(0, \infty)$ II**, Studii si Cercetari Matematice, 41(1989), p.461-472.
27. **A proof of the Stone theorem using the Gelfand representation**, Bulletin of the Polytechnical Institute of Bucharest 1991.
28. **Some remarks on tensor products of standard forms of von Neumann algebras**, Unione Matematica Italiana, Bolletino 7(1993), p.907-919.
29. (cu R.Theodorescu) **Multivariate unimodality revisited**, Revue Roumaine de Mathématiques Pures et Appliquées 42(1997), p.525-553.
30. **Relation between Fock and non Fock CAR stochastic integrals**, Quantum Probability Communications vol X, p.205-213, 1998, World Scientific, Singapore.
31. (cu R.Theodorescu) **Multiplicative strong unimodality**, Australian and New Zealand Journal of Statistics 40(1998), p.205-214.
32. **Procese de functii suma pe o algebra Boole probabilizata**, in "Seminar de Functii Suma", Editura

- Academiei Romane, 1963, p.44-73.
33. **Convergenta "aproape peste tot" a sirurilor de functii suma**, in "Seminar de Functii Suma", Editura Academiei Romane, 1963, p.44-73.
 34. **Supermartingales on a Boolean algebra**, in O.Onicescu, Principles of probability theory, Edition of the Romanian Academy, 1969, p.221-233.
 35. (cu A.Brezuleanu, I.Popovici and A.Turtoi) **Computation of areas on earth ellipsoid**, Proceedings of the International Symposium Brasov 1978, p.231-238.
 36. **Constructions involving Markov processes with time set $(0, \infty)$ I**, Studies in Probability and Related Topics, Nagard, Rome 1983,p.131-144.
 37. **Strong Markov property for a class of transition semigroups**, Proceedings of the 7-th Conference on Probability Theory, Edition of the Romanian Academy Bucharest, 1984, p.97-107.
 38. **Applications of some constructions of Markov processes**, Contemporary Mathematics, Proceedings of the Doeblin Conference 1991, Blaubeuren (Germany) 1993.
 39. (cu R.Theodorescu) **Multiplicative strong unimodality revisited**, Probability Theory and Mathematical Statistics, 1999, p.1-12, B.Grigelionis et al (Eds).
 40. **An example of a Hilbert-factor representation for a connected Lie group**, Bulletin of the Faculty of Sciences of the Tehran University 3(1971), p.47-49.
 41. **Hitting probabilities for brownian motion**, Increst Seminar, Bucharest, 1984.