

RESUME

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Recent International Meetings

International Conference Experimental and Theoretical Methods in Algebra, Geometry and Topology, Eforie Nord (Romania)	2013
Annual Conference Romanian Mathematical Society, Ploiești (Romania)	2012
Conference Diaspora and the Romanian Scientific Research, Bucharest	2012
School on Combinatorial Commutative Algebra, Mangalia (Romania)	2012
Workshop on automorphic forms and L -functions, Bucharest	2012
Colloque en hommage à Henri Poincaré, Bucharest	2012
Colloque du Laboratoire Européen Associé CNRS Franco-Roumain Math-Mode, Bucharest	2011
School on Commutative Algebra, București (Romania)	2011
7 ^{ème} Congress of Romanians Mathematicians , Brașov (Romania)	2011
School on Combinatorial Commutative Algebra, Bucharest	2010
86 ^{ème} Rencontre entre physiciens et mathématiciens, Strasbourg (France)	2010
Internat. Conf. Humboldt Kolleg Fundamental Structures of Algebra in honour of Prof. Ș. Basarab, Constanța (Romania)	2010
ICTAMI 2009, Alba Iulia (Romania)	2009
Internat. Conf. 60th Anniversary of IMAR, Bucharest	2009
Conference Diaspora and the Romanian Scientific Research, Bucharest	2008
Synasc '08, 10th Internat. Symposium Timișoara (Romania)	2008
Colloque en honneur de Georges Rhin, Metz (France)	2008
81 ^{ème} Rencontre entre physiciens et mathématiciens, Strasbourg (France)	2008

Grants:

Bourse de Recherche LEA CNRS (France) et IMAR (Roumanie)	2013
Bourse SSHE Eguide	Nov. 2010
Bourse de Recherche LEA CNRS (France) et IMAR (Roumanie)	2010–2011
Research Grant National Agency for Science, Technology and Innovation Romania	1999–2001
Research Grant Romanian Academy	1998
Postdoctoral fellowship C.I.C.M.A., Montréal (Canada)	August 1996–July 1997
Postdoctoral fellowship I.C.T.P. Trieste (Italie)	March–August 1995
NATO Postdoctorall fellowship, University of Köln (Germany)	April–July 1994

Recent Publications

Articles

1. (+ N. C. Bonciocat, Y. Bugeaud, M. Mignotte) Irreducibility criteria for sums of two relatively prime polynomials, *Internat. J. Number Th.*, to appear
2. (+ N. C. Bonciocat, M.-T. Tsai, A. Zaharescu) Congruences characterizing the bicrossproduct of cyclic groups, *Bull. Soc. Sci. Math. Roum.*, to appear
3. (+ Y. Bugeaud, M. Mignotte) On the representation of Fibonacci and Lucas numbers in an integer base, *Annales Sci. Math. Québec*, to appear
4. (+ N. C. Bonciocat, M. Mignotte) On $D(-1)$ -quadruples, *Publ. Mat.*, **56**(2012), 279–304.
5. (+ N. C. Bonciocat, Y. Bugeaud, M. Mignotte) Some Pólya-type irreducibility criteria for multivariate polynomials, *Comm. Alg.*, **40** (2012), no. 10, 3733–3744.
6. (+ M. I. Qureshi) On the behaviour of Stanley depth under variable adjunction, *Bull. Soc. Sci. Math. Roum.*, **55** (103) (2012), 129–146.
7. (+ M. Mignotte, A. Togbé) On the size of the intersection of two Lucas sequences of distinct type II, *Science China Math.*, **54**(2011), 1299–1316.
8. Cyclic quadrilaterals associated to squares, *Forum Geom.*, **11**(2011), 223–229.
9. (+ I. Diouf, M. Mignotte) Testing degenerate polynomials, *Appl. Alg. in Eng. Commun. Comp.*, **22**(2011), 289–300.
10. Small solutions to systems of polynomial equations with integer coefficients, *An. Șt. Univ. Ovidius Constanța*, **19**(2011), 89–99
11. (+ M. Mignotte) Bounds for counterexamples to Terai’s conjecture, *Bull. Soc. Sci. Math. Roum.*, **53**(2010), 231–237.
12. (+ N. C. Bonciocat) Strips and hyperbolas for zeros of polynomials in terms of their Hermite expansion, *Math. Inequal. Appl.*, **13**(2010), 271–288.
13. (+ M. Mignotte) On a conjecture on exponential Diophantine equations, *Acta Arithm.*, **140**(2009), 251–270.
14. A computer-aided proof of a conjecture in Euclidean geometry, *Computers and Math. with Appl.*, **56**(2008), 2814–2818,.
15. (+ S. D. Cohen) Dickson polynomial permutations, *Finite Fields and Applications*, (G. L. Mullen, D. Panario, I. E. Shparlinski, eds.), Contemp. Math. vol. 461, A. M. S., 2008, 79–90.
16. Gröbner bases and Diophantine analysis, *J. Symb. Comp.*, **43**(2008), 681–687.

Refereed Proceedings

1. Exponential equations with unique solution, *Acta Univ. Apulensis, Math. Inform.*, Proc. ICTAMI 2009, Alba Iulia, 2009, 267–277.
2. Tight bounds for the number of solutions to simultaneous Pell equations, *Proc. 6th Congress of Romania Mathematicians*, vol. I, (L. Bezenea, V. Brînzănescu et al. eds.), Ed. Academiei Romane, 2009, 21–26, **MR:2011c:11041**, **Zbl** 1212.11045
3. Factorisation of integers with elliptic curves, *Proc. 16th National School of Algebra on Elliptic Curves* (Ș. Bărcănescu, C. Flaut, eds.), Seminar Series in Math. Algebra: 5, Ovidius Univ., Constantza, 2008, 29–46.
4. Gröbner Bases and Solutions to Diophantine Equation, *Synasc '08 Pre-Proc., Main Track papers*, IeAT Tech. Report 08-11, 152–155.