

Publications

Refereed Articles

- (+ Y. Fujita, T. Miyazaki) On the number of extensions of a Diophantine triple, *Internat. J. Number Theory*, **14** (2018), no. 3, 899–917.
- Explicit formula for the solution of simultaneous Pell equations $x^2 - (a^2 - 1)y^2 = 1$, $y^2 - bz^2 = 1$, *Proc. Amer. Math. Soc.*, **146** (2018), no. 3, 983–992.
- (+ N. C. Bonciocat, Y. Bugeaud, M. Mignotte) Irreducibility criteria for compositions of polynomials with integer coefficients, *Monath. Math.*, **182** (2017), no. 3, 499–512.
- (+ Y. Fujita, M. Mignotte) Two-parameter families of uniquely extendable Diophantine triples, *Science in China, Mathematics* **61** (2018), no. 3, 421–438.
- (+ T. S. Trudgian) Searching for Diophantine quintuples, *Acta Arith.* **173** (2016), 365–382.
- (+ A. Filipin, Y. Fujita) Bounds for Diophantine quintuples II, *Publ. Math. Debrecen*, **88** (2016), 59–78.
- Quadratic Diophantine equations with infinitely many solutions in positive integers, *Integers*, **15** (2015), #47.
- 47. (+ N. C. Bonciocat, Y. Bugeaud, M. Mignotte) Irreducibility criteria for sums of two relatively prime multivariate polynomials, *Publ. Math. Debrecen*, **87** (2015), 255–267.
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- (+ M. I. Qureshi) On the behaviour of Stanley depth under variable adjunction *Bull. Math. Soc. Sci. Math. Roum.*, **55** (103) (2012), 129–146.

- Small solutions to systems of polynomial equations with integer coefficients, *An. Șt. Univ. Ovidius Constanța*, **19** (2011), 89–99,
- (+ M. Mignotte) Bounds for counterexamples to Terai’s conjecture, *Bull. Math. Soc. Sci. Math. Roum.*, **53** (2010), 231–237.
- (+ N. C. Bonciocat) Strips and hyperbolas for zeros of polynomials in terms of their Hermite expansion, *Math. Inequal. Appl.*, **13** (2010), 271–288.
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- Exponential equations with unique solution, *Acta Univ. Apulensis, Math. Inform.*, Proc. ICTAMI 2009, Alba Iulia, 2009, 267–277.
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