

CONTINUATION OF LIST OF PUBLICATIONS

Antal Járαι

The first part of the list of publications is published in *Annales Univ. Sci. Budapest., Sect. Comp.*, **35** (2011) 13–24.

- [153] The largest known Sophie Germain prime of the World 2006, 2009, 2009 (2009) (with G. Farkas, T. Csajbók, Z. Járαι and J. Kasza)
Full text in PDF
- [154] Bevezetés a matematikába informatikai alkalmazásokkal, Maple anyag, 2010. (Introduction to Mathematics with Informatics Applications, Maple program.)
- [155] Számítógépes számelmélet, Maple program, 2010. (Number theory with computer, Maple program.)
- [156] Komputeralgebra, Maple program, 2010. (Computer algebra, Maple program.)
- [157] Nagy hatékonyságú számítások RISC processzorokkal, MMIX program, 2010. (High performance computing with RISC processors, MMIX program.)
- [158] DP SPU multiply, 2010.
- [159] Cache optimized sieve, In: F. Pop Horia and A. Bege (eds.) *MaCS 2010: 8th Joint Conference on Mathematics and Computer Science*, Győr, Hungary, Novadat, 2011, pp. 249–256. (with E. Vatai)
- [160] Orwell general, 2011.
- [161] Cache optimized linear sieve, *Acta Universitatis Sapientiae, Informatica*, **3(2)** (2011), 205–223. (with E. Vatai) Full text in PDF
- [162] 3. Remark (to a problem of W. Jarczyk), *Aequationes Math.*, **81(3)** (2011), 306–306. Full text in PDF

- [163] *Bevezetés a matematikába – informatikai alkalmazásokkal*, ELTE Eötvös Kiadó, Budapest, Hungary, 2012. (Introduction to Mathematics with Informatics Applications, University Textbook.)
- [164] Fast Arbitrary Precision Package: Natural number routines, Eötvös Loránd University, Faculty of Informatics, Budapest, Hungary, 2012, 268 pages. (with Z. Járai)
- [165] On measurable functions satisfying multiplicative type functional equations almost everywhere, In: C. Bandle, A. Gilányi, L. Losonczi and M. Plum (eds.) *Inequalities and Applications 2010, Dedicated to the memory of Wolfgang Walter*, Basel, Svájc, Springer-Verlag London Ltd, 2012, pp. 241–253. (with K. Lajkó and F. Mészáros) Full text in PDF
- [166] Finding suitable paths for the elliptic curve primality proving algorithm, *Acta Universitatis Sapientiae, Informatica*, **5(1)** (2013), 35–52. (with Gy. Kiss) Full text in PDF
- [167] Regularity of functional equations with few variables, *Annales Univ. Sci. Budapest., Sect. Comp.*, **40** (2013), 337–352. Full text in PDF
- [168] *Kalkulus*, ELTE Eötvös Kiadó, Budapest, Hungary, 2013, 420 pages. (Calculus, University Textbook.)
- [169] Quantum computers and Fourier transform, *Conference on Dyadic Analysis and Related Fields with Applications (DARFA14)*, June 1–6, 2014, Nyíregyháza, Hungary, 2014, 18 p. Full text in PDF
- [170] Exact prime test with elliptic curves asymptotic running time analysis talk, March 5, 2014, 39 p. Full text in PDF
- [171] The largest known Cunningham chain of length 3 of the first kind, *Stud. Univ. Babeş-Bolyai Math.*, **59(4)** (2014), 457–462. (with G. Farkas, G. E. Gévay and E. Vatai) Full text in PDF
- [172] Primality proofs with elliptic curves: heuristics and analysis, *Annales Univ. Sci. Budapest., Sect. Comp.*, **44** (2015), 3–27. (with W. Bosma, E. Cator and Gy. Kiss) Full text in PDF
- [173] Regularity properties of measurable functions satisfying a multiplicative type functional equation almost everywhere, *Aequationes Math.*, **89(2)** (2015), 367–381.
- [174] A 0–1 law for multiplicative functional equations, *Aequationes Math.*, **90(1)** (2016), 147–161.

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- [175] El análisis modal en la microscopía de las rocas *Minería y Geología*, **10(3)** (2018), 15–23. (with M, Kozák, P, Rózsa, Y, Ríos and M, Rasúa)
- [176] Error estimates for multiplication based on FFT over the complex numbers, *Annales Univ. Sci. Budapest., Sect. Comp.*, **49** (2019), 259–277.
Full text in PDF

