

LIST OF PUBLICATIONS II.

Karl-Heinz Indlekofer

The first part of the list of publications is published in *Annales Univ. Sci. Budapest., Sect. Comp.*, **22** (2003), 15–22.

- [103] Shifted B -numbers as a set of uniqueness for additive and multiplicative functions, *Acta Arith.*, **116** (2005), 295-313. (with N.M. Timofeev)
- [104] Mean behaviour and distribution properties of multiplicative functions, *Comput. Math. Appl.*, **48** (2004), 1947-1971. (with L. Lucht and St. Wehmeier).
- [105] Multiplicative functions close to the divisor function on shifted primes, *Annales Univ. Sci. Budapest., Sect. Comp.*, **23** (2004), 3-23. (with N.M. Timofeev)
- [106] The strong law of large numbers for multiple sums whose indices belong to a sector bounded by two functions, (Russian) *Teor. Veroyatn. Primen.*, **52** (2007), no. 4, 803–810 (with O.I. Klesov); translation in *Theory Probab. Appl.*, **52** (2008), no. 4, 711-719.
- [107] On the modulus of continuity of the distribution of some arithmetical functions, *New trends in probability and statistics*, Vol. **2**, Palanga, 1991, VSP, Utrecht, 1992, 223–234. (with I. Kátai)
- [108] On q -multiplicative functions, *Publ. Math. Debrecen*, **61** (2002), 393-402. (with I. Kátai and Y.-W. Lee)
- [109] A set of uniqueness for completely additive arithmetic functions, *Annales Univ. Sci. Budapest., Sect. Comp.*, **21** (2002), 57-67. (with J. Fehér and N.M. Timofeev)
- [110] A note on a theorem of Daboussi, *Acta Math. Hungar.*, **101** (2003), No. 3, 211-216. (with I. Kátai)

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- [111] Arithmetic processes in semigroups, *Liet. Mat. Rink.*, **43** (2003), no. 4, 421–443. (with G. Bareikis)
- [112] On the normal order of $\varphi_{k+1}(n)/\varphi_k(n)$, where φ_k is the k -fold iterate of Euler's function, *Liet. Mat. Rink.*, **44** (2004), no. 1, 68–84. (with I. Kátai)
- [113] The asymptotic behavior of the renewal process constructed from a random walk with a restricted multidimensional time domain, *Annales Univ. Sci. Budapest., Sect. Comp.*, **24** (2004), 209–221. (with O. Klesov)
- [114] The complete convergence in the strong law of large numbers for double sums indexed by a sector with function boundaries, *Theoret. Probab. and Math. Statist.*, **68** (2004), 49–53. (with O. Klesov)
- [115] Mean behavior of arithmetic function on certain thin sequences, *Elementare und analytische Zahlentheorie*, (Tagungsband) Proceedings ELAZ-Conference, May 24–28, 2004, 65–76. (with L.G. Lucht)
- [116] Mean behaviour of uniformly summable q -multiplicative functions, *Annales Univ. Sci. Budapest., Sect. Comp.*, **25** (2005), 171–194. (with Y.-W. Lee and R. Wagner)
- [117] Mean behaviour of multiplicative functions on additive arithmetical semigroups, *Computers and Mathematics with Applications*, **52** (2006), 577–592.
- [118] The asymptotic behavior over a small parameter of a series of large deviation probabilities weighted with the Dirichlet divisors function, *Functiones et Approximatio*, **35** (2006), 117–131. (with O. Klesov)
- [119] Additive uniqueness sets for multiplicative functions, *Annales Univ. Sci. Budapest., Sect. Comp.*, **26** (2006), 65–77. (with Bui Minh Phong)
- [120] On the prime number theorem, *Annales Univ. Sci. Budapest., Sect. Comp.*, **27** (2007), 167–185.
- [121] New approach to probabilistic number theory – compactifications and integration, *Advanced Studies in Pure Mathematics*, **49** 2007, 133–170.
- [122] On some compactifications of \mathbb{N} , *Analytic and probabilistic methods in number theory*, Proceedings of the 4th International Conference in honour of J. Kubilius held in Palanga, September 25–29, 2006, Vilnius, 2007. (with A. Barát and R. Wagner)
- [123] Some remarks on trigonometric sums, *Acta Math. Hungar.*, **118**(4) (2008), 313–318. (with I. Kátai)

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- [124] Identities in the convolution arithmetic of number theoretical functions, *Annales Univ. Sci. Budapest., Sect. Comp.*, **28** (2008), 303-325.
- [125] Asymptotics of renewal processes: some recent developments, *Annales Univ. Sci. Budapest., Sect. Comp.*, **28** (2008), 107-139. (with V.V. Buldygin, O. Klesov and J.G. Steinebach)
- [126] A generalisation of a Kolodyazhnyiĭ theorem for the Lévy distance, *International Journal of Pure and Applied Mathematics*, **47** (2008), no. 2, 235-241. (with O.I. Klesov)
- [127] Some remarks on additive arithmetical semigroups II., *Siauliai Math. Semin.*, **4(12)** (2009), 83-104.
- [128] On a quantitative form of Wirsing's mean-value theorem for multiplicative functions, *Publ. Math. Debrecen*, **75** (2009), no. 1-2, 105-121.
- [129] An inequality for the Lévy distance between two distribution functions and its application, (Ukrainian) *Teor. Imovir. Mat. Stat.*, **81** (2009), 53-64; translation in *Theory Probab. Math. Statist.*, **81** (2010), 59-70. (with O. Klesov and J.G. Steinebach)
- [130] Some limit theorems via Lévy distance, *Publ. Math. Debrecen*, **76(3-4)** (2010), 303-315. (with O.I. Klesov and J.G. Steinebach)
- [131] On random arithmetical functions I., *Lith. Math. J.*, **50(3)** (2010), 271-283. (with I. Kátai and O.I. Klesov)
- [132] On mean-value theorems for multiplicative functions in additive arithmetical semigroups, *Annales Univ. Sci. Budapest., Sect. Comp.*, **33** (2010), 49-72. (with A. Barát)
- [133] Tauberian theorems with applications to arithmetical semigroups and probabilistic combinatorics, *Annales Univ. Sci. Budapest., Sect. Comp.*, **34** (2011), 135-177.
- [134] On labeled and unlabeled combinatorial structures, *Communications in Statistics – Theory and Methods*, **40(19-20)** (2011), 3641-3653.
- [135] Three series theorem in additive arithmetical semigroups, *Annales Univ. Sci. Budapest., Sect. Comp.*, **38** (2012) 201-220. (with E. Kaya)
- [136] Renewal theorems for some weighted renewal functions, *Annales Univ. Sci. Budapest., Sect. Comp.*, **34** (2011), 179-194. (with I. Kátai and O.I. Klesov)
- [137] A consequence of the theorem of Bredihin, *Math. Pannon.*, **22(1)** (2011), 1-12. (with I. Kátai)

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- [138] On quantitative mean value estimations for multiplicative functions, *Annales Univ. Sci. Budapest., Sect. Comp.*, **34** (2011), 115-134. (with L. Germán and O.I. Klesov)
- [139] On random arithmetical functions II., *Annales Univ. Sci. Budapest., Sect. Comp.*, **38**, (2012), 309–322. (with I. Kátai and O.I. Klesov)
- [140] Some remarks on Beurling type integers generated by the set of shifted primes, *Annales Univ. Sci. Budapest., Sect. Comp.*, **38** (2012), 43–56. (with I. Kátai)
- [141] *Pseudo-Regularly Varying Functions and Generalized Renewal Functions*, (Ukrainian), TBIMC, Kiev, 2012, 440 pp. (with V.V. Buldygin, O.I. Klesov and J.G. Steinebach)
- [142] Two series theorem in additive arithmetical semigroups, *Annales Univ. Sci. Budapest., Sect. Comp.*, **38** (2012), 323-332. (with A. Barát and E. Kaya)