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)
 https://doi.org/10.71352/ac.39.013

- [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 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)

- [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 Kolodyazhnyl 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 combinatorical 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)

- [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 Functios, (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)