

LIST OF PUBLICATIONS

Karl-Heinz Indlekofer

1. Summierbarkeitsverhalten äquivalenter Potenzreihen I., *Arch. Math.*, **22** (1971), 385-393.
2. Summierbarkeitsverhalten äquivalenter Potenzreihen II., *Math. Nachrichten*, **50** (1971), 305-319.
3. Bemerkungen über äquivalente Potenzreihen mit einem gewissen Stetigkeitsmodul, *Monatshefte für Mathematik*, **76** (1972), 124-129.
4. Bemerkungen zur Divergenz von Fourierreihen, *Annales Univ. Sci. Budapest., Sect. Math.*, **15** (1972), 53-59.
5. Multiplikative Funktionen mehrerer Variablen, *J. für reine und angewandte Math.*, **256** (1972), 180-184.
6. Über B -Zwillinge, *Arch. Math.*, **23** (1972), 251-256. (mit W. Schwarz)
7. Eine asymptotische Formel in der Zahlentheorie, *Arch. Math.*, **23** (1972), 619-624.
8. Summierbarkeitsverhalten äquivalenter Potenzreihen III., *Math. Nachrichten*, **55** (1973), 265-286.
9. A remark on solvable groups, *Arch. Math.*, **24** (1973), 57-58.
10. Über die Invarianz der absoluten Konvergenz bei konformer Abbildung, *Math. Zeitschrift*, **134** (1973), 171-177.
11. Über die starke Cesàro-Summierbarkeit von Potenzreihen auf dem Rande des Konvergenzkreises, *Math. Nachrichten*, **63** (1974), 393-399. (mit R. Warlimont)
12. Scharfe untere Abschätzung für die Anzahlfunktion der B -Zwillinge, *Acta Arith.*, **26** (1974), 207-212.
13. Automorphismen gewisser Funktionenalgebren, *Mitteilungen aus dem Math. Seminar Giessen*, **111** (1974), 68-79.

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16. Grenzverteilung additiver Funktionen, *Lietuvos Mat. Rinkinyys*, **16** (1976), 81-91.
17. On sets characterizing additive arithmetical functions, *Math. Zeitschrift*, **146** (1976), 285-290.
18. Automorphismen gewisser Funktionenalgebren II., *Acta Math. Acad. Sci. Hung.*, **28** (1976), 305-313.
19. Über binäre additive Probleme, *J. für reine und angewandte Mathematik*, **297** (1978), 65-79. (mit M. Gottschalk)
20. *Zahlentheorie. Eine Einführung*, Uni-Taschenbücher **688**, Birkhäuser, Basel-Stuttgart, 1978.
21. A mean-value theorem for multiplicative arithmetical functions, *Math. Zeitschrift*, **172** (1980), 255-271.
22. Forsetzbare äquivalente Potenzreihen, *Publ. Math. Debrecen*, **28** (1981), 25-30. (mit R. Trautner)
23. On sets characterizing additive and multiplicative arithmetical functions, *Illinois J. of Math.*, **25** (1981), 251-257.
24. Some remarks on almost-even and almost-periodic functions, *Arch. Math.*, **37** (1981), 353-358.
25. Limiting distributions and mean-values of multiplicative arithmetical functions, *Recent progress in analytic number theory, Symp. Durham, 1979, Vol. I.*, Academic Press, London, 1981, 197-202.
26. Remark on a theorem of G. Halász, *Arch. Math.*, **36** (1980), 145-151.
27. Limiting distributions and mean-values of multiplicative arithmetical functions, *J. für reine und angewandte Math.*, **328** (1981), 116-127.
28. On Turán's equivalent series, *Studies in Pure Mathematics: To the memory of Paul Turán*, ed. P. Erdős, Birkhäuser, Basel-Boston-Stuttgart, Akadémiai Kiadó, Budapest, 1983, 357-379.
29. On multiplicative arithmetical functions, *Topics in classical number theory, Coll. Math. Soc. János Bolyai* **34**, 1984, 731-748.
30. Properties of uniformly summable multiplicative functions, *Periodica Math. Hung.*, **17** (1986), 143-161.

31. Cesáro means of additive functions, *Analysis*, **6** (1986), 1-24.
32. Über Grenzverteilungen multiplikativer Funktionen mit logarithmischen Momenten, *Lietuvos Mat. Rinkiny*, **26** (1986), 435-446.
33. Gleichgradige Summierbarkeit bei verallgemeinerten Momenten additiver Funktionen, *Arch. Math.*, **49** (1987), 508-512.
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35. Limiting distributions and mean-values of complex-valued multiplicative functions, *Probability theory and mathematical statistics, Proc. 4th Vilnius Conf. 1985, vol. I.*, 1986, 547-552.
36. Über verallgemeinerte Momente additiver Funktionen, *Monatshefte für Mathematik*, **103** (1987), 120-132.
37. Multiplikative Funktionen auf kurzen Intervallen, *J. für reine und angewandte Math.*, **381** (1987), 148-160. (mit P. Erdős)
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41. Über Verallgemeinerungen der Turán-Kubilius Ungleichung, *Acta Arith.*, **52** (1989), 67-73.
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43. Exponential sums with multiplicative coefficients, *Acta Math. Acad. Sci. Hung.*, **54** (1989), 263-268. (with I. Kátai)
44. Limit laws and moments of additive functions in short intervals, *Number Theory vol. I. Elementary and analytic, Proc. Conf. Budapest, Hungary, 1987, Coll. Math. Soc. János Bolyai* **51**, 1989, 193-220.
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47. Multiplicative functions with small increments II., *Acta Math. Acad. Sci. Hung.*, **56** (1990), 159-164. (with I. Kátai)

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49. Multiplicative functions with small increments III., *Acta Math. Acad. Sci. Hung.*, **58** (1991), 121-132. (with I. Kátai)
50. Arithmetical semigroups I: Direct factors, *Manuscripta Math.*, **71** (1991), 83-96. (with J. Knopfmacher and R. Warlimont)
51. On a certain class of infinite products with an application to arithmetical semigroups, *Arch. Math.*, **56** (1991), 446-453. (with E. Manstavičius and R. Warlimont)
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55. Number systems and fractal geometry, *Probability theory and applications: Essays to the memory of József Mogyoródi*, eds. J. Galambos and I. Kátai, Kluwer, 1992, 319-334. (with I. Kátai and P. Racsó)
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57. Remarks on the infinite product representations of holomorphic functions, *Publ. Math. Debrecen*, **41** (3-4) (1992), 263-276. (with R. Warlimont)
58. Estimation of generalized moments of additive functions over the set of shifted primes, *Acta Sci. Math.*, **56** (1992), 229-236. (with I. Kátai)
59. On the distribution of translates of additive functions, *Acta Math. Hungar.*, **61** (1993), 343-356. (with I. Kátai)
60. The abstract prime number theorem for function fields, *Acta Math. Hungar.*, **62** (1993), 137-148.
61. Some remarks on generalized number systems, *Acta Sci. Math.*, **57** (1993), 543-553. (with I. Kátai and P. Racsó)
62. Functional limit theorems for additive arithmetic function on intervals, *Lietuvos Mat. Rinkiny*, **33** (3) (1993), 280-292. (with E. Manstavičius)
63. Remarks on an elementary proof of Halász's theorem, *Lietuvos Mat. Rinkiny*, **33** (4) (1993), 417-423.

64. New approach to multiplicative functions on arithmetical semigroups, *Lietuvos Mat. Rinkiny*s, **34** (4) (1994), 449-458. (with E. Manstavičius)
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66. On some properties of attractors generated by iterated function systems, *Acta Sci. Math.*, **60** (1995), 41-427. (with A. Járαι and I. Kátai)
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70. Multiplicative functions of Farey fractions, *New Trends in Probability and Statistics, Vol. 4*, eds. A.Laurinćikas, E.Manstavićius and V.Stak.enas, 1997, 323-344. (with V. Stak.enas)
71. Dirichet's divisors in probability theory, *Theory of Stoch. Proc.*, **3** (19) (1997), 208-215. (with O.I. Klesov)
72. Estimates for multiplicative functions on the set of shifted primes, *Acta Math. Hungar.*, **81** (3) (1998), 195-221. (with N.M. Timofeev)
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78. Найбільші з відомих чисел-близнюків та чисел Джермейн, *У світі математики*, **4** (1998), 9-10. (with A. Járαι)
79. Almost-periodic multiplicative functions on the set of shifted primes, *Annales Univ. Sci. Budapest. Sect. Comp.*, **18** (1999), 95-102. (with N.M. Timofeev)

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81. On asymptotically correlated q -multiplicative functions, *Math. Pannonica*, **10** (1) (1999), 29-36. (with I. Kátai)
82. Multiplicative processes in short intervals, *Lietuvos Mat. Rinkiny*s, **39** (1999), 185-199. (with G. Bareikis)
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87. Generalized moments of additive functions II., *Lietuvos Mat. Rinkiny*s, **41** (1) (2001), 69-83. (with I. Kátai)
88. Multiplicative functions with bounded seminorm on the set of shifted primes, *Analysis*, **21** (2001), 205-211. (with N.M. Timofeev)
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92. Investigations in the theory of q -additive and q -multiplicative functions I., *Acta Math. Hungar.*, **91** (2001), 53-78. (with I. Kátai)
93. On q -multiplicative functions, *Publ. Math. Debrecen*, **61** (3-4) (2002), 393-402. (with I. Kátai and Y.-W. Lee)
94. Investigations in the theory of q -additive and q -multiplicative functions II., *Acta Math. Hungar.*, **97** (2002), 97-108. (with I. Kátai)
95. Number theory - probabilistic, heuristic and computational approaches, *Computers and Mathematics with Applications*, **43** (2002), 1035-1061.
96. Divisors of shifted primes, *Publ. Math. Debrecen*, **60** (3-4) (2002), 307-345. (with N.M. Timofeev)
97. Some remarks on additive arithmetical semigroups, *Lietuvos Mat. Rinkiny*s, **42** (2) (2002), 185-204.

98. On multiplicative functions with mean-value one on the set of shifted primes, *Arch. Math.*, **78** (2002), 454-458. (with N.M. Timofeev)
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101. New approach to probabilistic number theory, *Theory of Stochastic Processes*, **8(24)** (1-2) (2002), 136-153.
102. Law of large numbers for the complete convergence of multiple sums indexed by a sector with function boundaries, *Theory Probab. Math. Stat.*, **68** (2003), 55-59. (with O.I. Klesov)
103. Shifted B -numbers as a set of uniqueness for additive and multiplicative functions (with N.M. Timofeev) (submitted to *Acta Arith.*)
104. Multiplicative functions close to the divisor function on shifted primes (with N.M. Timofeev) (submitted)
105. Mean behaviour and distribution properties of multiplicative functions (with L. Lucht and S. Wehmeier) (submitted)
106. Strong law of large numbers for multiple sums indexed by a sector with function boundaries, *Ann. Probab.* (with O.I. Klesov) (submitted)

In preparation

1. On a problem of Halmos in ergodic theory
2. Means of multiplicative functions on additive arithmetical semigroups
3. Multiplicative functions close to a convolution of two Dirichlet-characters on the set of shifted primes (with N.M. Timofeev)
4. Multiplicative functions at consecutive integers (with N.M. Timofeev)
5. Estimation of the mean-values of multiplicative functions with shifted arguments (with N.M. Timofeev)

Further publications

1. Aufbruch nach Europa, Kooperation mit mittel- und osteuropäischen Ländern, *Lernen und Lehren für Europa. Festschrift für Waltraut Schöler*, A. Tuybaerts, W. Hagemann und G. Tulodziecki (Hrsg.), Lang, Frankfurt a.M., Berlin, Bern, New York, Paris, Wien, 1998, 139-146.
2. Laudatio für Herrn Prof. Dr. Imre Káta, *Proc. Numbers, Functions, Equations'98 Int. Conf. Noszvaj, 1998*, ed. Zs. Páles, *Leaflets in Math. Pécs*, 1998, 1-34.
3. A számok bővölete, *Tudományos Dialóg*, **3** (1998), 55-58.
4. Primzahlzwillingsrekorde - nicht nur eine Jagd nach Monstern, *Forschungsforum Paderborn*, **2** (1999), 76-80. (mit A. Járαι)