

INDEX

<i>Kátai I.</i> : Laudatio to Professor Karl-Heinz Indlekofer	5
List of publications of Karl-Heinz Indlekofer	15
<i>Almási B., Bolch G. and Sztrik J.</i> : Analyzing Markov-modulated finite source queueing systems	23
<i>Bareikis G.</i> : Beta distribution in the polynomial semigroup	35
<i>Bui Minh Phong</i> : On arithmetical functions satisfying congruence properties	49
<i>Daróczy Z. and Páles Zs.</i> : A Matkowski-Sutô-type problem for weighted quasi-arithmetic means	69
<i>Farkas G. and Kovács A.</i> : Digital expansion in $\mathbb{Q}(\sqrt{2})$	83
<i>Fehér J.</i> : On multiplicative functions satisfying congruence properties	95
<i>Galambos J. and Simonelli I.</i> : Once more about Wirsing's theorem on multiplicative functions: A simple probabilistic proof	103
<i>Gharibyan T. and Luh W.</i> : Lacunary power series with various universal properties	113
<i>Hajdara Sz., Kozma L. and Ugron B.</i> : Synthesis of a system composed by many similar objects	127
<i>Kanemitsu S., Tanigawa Y., Yi Yuang and Zhang Wenpeng</i> : On general Kloosterman sums	151
<i>Kátai I. and Subbarao M.V.</i> : On the distribution of exponential divisors	161
<i>Klesov O. and Steinebach J.</i> : The asymptotic behavior of the renewal function constructed from a random walk in multidimensional time with restricted time domain	181
<i>Knopfmacher A. and Robbins N.</i> : On binary and Fibonacci compositions	193
<i>Kormos J.</i> : Nearly nonstationary AR processes with mixing innovation ..	207

<i>Lakatos L. and Koltai T.:</i> A discrete retrial system with uniformly distributed service time	225
<i>Laurinćikas A.:</i> The joint universality for general Dirichlet series	235
<i>Lucht L.G.:</i> Extremal pattern-free sets of positive integers	253
<i>Manstavićius E. and Skrabutėnas R.:</i> On analytic problems for additive arithmetical semigroups	269
<i>Maucclair J.-L.:</i> A characterization of some integer-valued arithmetical multiplicative functions	287
<i>Pap M. and Schipp F.:</i> Discrete approximation on the sphere	299
<i>Schlage-Puchta J.-C., Schwarz W. and Spilker J.:</i> Uniformly-almost-even functions with prescribed values III.	317
<i>Stakėnas V.:</i> On the mean values of multiplicative functions over rational numbers	331
<i>Tóth L. and Wirsing E.:</i> The maximal order of a class of multiplicative arithmetical functions	353
<i>Wagner R.:</i> Ein Eindeutigkeitsproblem für additive Funktionen mit Grenzverteilung	365
<i>Warlimont R.:</i> Permutations avoiding consecutive patterns	373
<i>Wen-Bin Zhang:</i> High order mean-value theorems for multiplicative functions via Halász's method	395
<i>Yi-Wen Lee:</i> Characterization of almost-periodic q -multiplicative functions	403

ANNALES UNIVERSITATIS SCIENTIARUM
BUDAPESTINENSIS
DE ROLANDO EÖTVÖS NOMINATAE
SECTIO COMPUTATORICA

Publication. Yearly 1 issue (about 250 pages) is scheduled to appear, which is available from the Department of Computer Algebra of the Eötvös Loránd University, Budapest, XI. Pázmány Péter sét. 1/C.

Editorial policy. This journal publishes research and, in special cases, survey papers treating problems from a broad field of applied mathematics written with mathematical precision, giving priorities to articles connected with the activities and interests within the departments of applied mathematics of the Eötvös University. The areas of main interest are: classical numerical analysis, modern theories of algorithms of approximation, their optimization both in deterministic and stochastic cases, summation of series, modelling and simulation, mathematical system theory, estimations of computational complexity, theory of automata, languages and system programming. Reviews of new books, both from and outside Hungary, will be also published.

Instructions for authors. Manuscripts should be submitted in two exemplars and (parallelly) on magnetic discs (using text preparation programs TEX) - written in English, German or French and prepared in form as the ones already appeared - to the editor-in-chief

IMRE KÁTAI

Department of Computer Algebra, Eötvös Loránd University
H-1518 Budapest, P.O.B. 32.
Hungary

Additional information can be found on

www.inf.elte.hu/computatorica/

ISSN 0139-9491

Technikai szerkesztő:

DR. LAKATOS LÁSZLÓ

A kiadásért felelős az Eötvös Loránd tudományegyetem rektora

Készítette:

Molnár és Társa "2001"

Nyomda és Kiadó Kft.

Tel./Fax.:36/516-068, 516-069.

281 példány

Felelős kiadó: Dr. Kátai Imre