INDEX

DeKoninck J.-M. and Doyon N.: On the set of Wieferich primes and of its complement 3

Laurinčikas A. and Steuding J.: A joint limit theorem for Hurwitz zeta-functions with algebraic irrational parameters 15

Agarwal A.K. and Anand S.: MacMahon's analysis and a new partition identity 31

Robbins N.: A simply-obtained upper bound for $q(n)$ 39

Daróczy Z.: Functional equations involving quasi-arithmetic means and their Gauss composition 45

Fehér J. and Kátai I.: Some remarks on the sets of uniqueness for additive and multiplicative functions 57

Germán L. and Kátai I.: Distribution of q-additive functions on the set of integers having k prime factors 65

Varbanets P.D. and Varbanets S.P.: On divisor function over $\mathbb{Z}[i]$ 75

Jianya Liu: A large sieve estimate for Dirichlet polynomials and its applications 91

Rajmohan G. and Sitaramaiah V.: On regular ψ-convolutions II. 111

Kátai I.: On the average prime divisors 137

Chakraborty K.: On the Diophantine equation $x + y + z = xyz = 1$ 145

Tóth L.: On certain arithmetical functions involving exponential divisors II. 155

Indlekofer K.-H.: On the prime number theorem 167

Germán L.: The distribution of an additive arithmetical function on the set of shifted integers having k distinct prime factors 187

Lakatos L. and Zbăganu G.: Waiting time in cyclic-waiting systems 217

Bui Minh Phong: On integer-valued arithmetical functions satisfying congruence properties 229

ANNALES UNIVERSITATIS SCIENTIARUM
BUDAPESTINENSIS
DE ROLANDO EÖTVÖS NOMINATAE
SECTIO COMPUTATORICA

Publication. Yearly 2 issues are scheduled to appear, which are 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 possibly (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 obtained on

compalg.inf.elte.hu/annales/computatorica

ISSN 0138-9491

Technikai szerkesztő:
DR. LAKATOS LÁSZLÓ
A kiadásért felelős az Eötvös Loránd Tudományegyetem rektora

Készítette:
Jász Nyomda és Kiadó Kft
Tel./Fax: 226-1000
240 példány
Felelős kiadó:Dr. Kátai Imre