

INDEX OF VOLUME 42

<i>Demetrovics, J.</i> : Laudation to Professor András Benczúr	5
List of publications of András Benczúr	9
<i>Arató, M. and L. Martinek</i> : Estimation of claim numbers in automobile insurance	19
<i>Aszalós, L., J. Kormos and D. Nagy</i> : Conjectures on phase transition at correlation clustering on random graphs	37
<i>Bánsághi, A. and A. Kovács</i> : Trend analysis based on semantic graphs - A case study	55
<i>Bou Ezzeddine, A., S. Kasala and P. Navrat</i> : Applying the firefly approach to the DNA fragments assembly problem	69
<i>Buza, A. and P. B. Kiss</i> : Instability of matrix factorization used in recommender systems	83
<i>Csiszár, O. and J. Fodor</i> : On uninorms with fixed values along their border	93
<i>Csiszár, V., T. Fegyverneki and T.F. Móri</i> : Explicit multivariate bounds of Chebyshev type	109
<i>De Koninck, J.-M. and I. Kátai</i> : Constructing normal numbers using residues of selective prime factors of integers	127
<i>Demetrovics, J., Hua Nam Son and A. Guban</i> : An algebraic approach to the study of market baskets	135
<i>Demetrovics, J., Vu Duc Thi and Nguyen Long Giang</i> : Metric based attribute reduction in dynamic decision tables	157
<i>Dobos, L., B. Pinczel, A. Kiss, G. Rácz and T. Eiler</i> : A comparative evaluation of NoSQL database systems	173
<i>Hajas, Cs. and A. Zempléni</i> : Data mining of extreme value modelling European precipitation data	199
<i>Kátai, I. and Bui Minh Phong</i> : Uniform distribution of some arithmetical functions	209

<i>Kovács, L.</i> : Remarks on the approximation for the number of rooted unordered binary trees	219
<i>Krámlí, A. and R. Markó</i> : Lower threshold ground state energy and testability of minimal balanced cut density	231
<i>Mészáros, T. and L. Rónyai</i> : A note on Alon's combinatorial Nullstellensatz	249
<i>Molnár, B.</i> : Applications of hypergraphs in informatics: A survey and opportunities for research	261
<i>Pinczel, B., D. Nagy and A. Kiss</i> : The Pros and Cons of RDF structure indexes	283

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 and computer science written with mathematical precision, giving priorities to articles connected with the activities and interests within the departments of applied mathematics and computer science 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 or in electronic form (the TEX and PDF files) - 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
katai@compalg.inf.elte.hu

Additional information can be obtained on

<http://ac.inf.elte.hu/>