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Autore	Gross Eliza L.
Titolo	Arsenic and uranium occurrence in private wells in Connecticut, 2013-18--a spatially weighted and bedrock geology assessment / / by Eliza L. Gross and Craig J. Brown
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Collana	Open-file report, , 2331-1258 ; ; 2020-1111
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Soggetti	Computational intelligence Computer science - Mathematics Computational Intelligence Mathematical Applications in Computer Science
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Nota di contenuto	1. Todorka Alexandrova, Hristo Kostadinov, Nikolai L. Manev, Watermarking Audio Content: \Data Embedding based on Fast Fourier Transform -- 2. Vera Angelova, Residual bounds of a class of nonlinear matrix equations -- 3. Atanas Atanasov, Slavi Georgiev, Lubin Vulkov, Parameter Identification Analysis of Food and Population Dynamics in Honey Bee Colonies -- 4. Vilislav Boutchaktchiev, Forecasting Models for the House Price Index in Bulgaria -- 5. Yadi Cheng, Xubiao Peng, Peicho Petkov, Nevena Ilieva, Studying the geometry and dynamics of prospective Parkinson-inhibitor MCoCP4 variants with modified grafting topologies -- 6. Hristo Chervenkov and Kiril Slavov, ETCCDI Precipitation\hyp{}based Climate Indices in the CMIP5 Future Climate Projections over Southeast Europe -- 7. Zlatinka Dimitrova, Nikolay K. Vitanov, Simple Equations Method for obtaining exact solutions of nonlinear differential equations with polynomial or nonpolynomial nonlinearity -- 8. Tihomir Gyulov, Lubin Vulkov, Reconstruction of the Lmped Water-to-Air Mass Transfer Coefficient from Final Time or Time-Averaged Concentration Measurement in a Model of Porous Media -- 9. Ivan Hristov, Radoslava Hristova, Igor Puzynin, Taisia

Puzynina, Zarif Sharipov, Zafar Tukhliev, Newton's method for computing periodic orbits of the planar three-body problem -- 10. Miglena Koleva, Zorica Milovanović Jeknić, Lubin Vulkov, Determination of External Boundary Conditions of a Stationary Nonlinear Problem on Disjoint Intervals at Point Observation -- 11. Elena Lilkova, Peicho Petkov, Nevena Ilieva, Leandar Litov, Modelling the Interaction of the hFN γ C-terminal Peptide and HS-derived Octasaccharides -- 12. Tzvetan Ostromsky, Implementation, performance and scalability of a large scale air pollution model on the new EuroHPC petascale supercomputer DISCOVERER in Bulgaria -- 13. Peicho Petkov, Nevena Ilieva, Elena Lilkova, Leandar Litov, Partitioning of Putative Antimicrobial Peptides into a Model Bacterial Membrane: a Metadynamics Approach -- 14. Angela Slavova, Ventsislav Ignatov, Bioinspired systems working on the edge of chaos -- 15. Juri Kandilarov, Lubin Vulkov, Simultaneous Numerical Reconstruction of Time-dependent Convection Coefficient and Source in Magnetohydrodynamics Flow System -- 16. Maria Zarcheva, Tihomir Ivanov, Numerical simulations of the process of adsorption onto activated carbon in water treatment applications.

Sommario/riassunto

This book gathers the peer-reviewed proceedings of the 16th Annual Meeting of the Bulgarian Section of the Society for Industrial and Applied Mathematics, BGSIAM'21, held in Sofia, Bulgaria. The general theme of BGSIAM'21 was industrial and applied mathematics with particular focus on: mathematical physics, numerical analysis, high performance computing, optimization and control, mathematical biology, stochastic modeling, machine learning, digitization and imaging, advanced computing in environmental, biomedical and engineering applications.
