

# CONTENTS

<b>Alexandru Bobe, Aurelian Nicola, Constantin Popa</b> Weaker hypotheses for the general projection algorithm with corrections .....	9
<b>Rafael Bru, Juana Cerdán, José Marín, José Mas, Miroslav Tůma</b> Preconditioners based on the ISM factorization .....	17
<b>Adrian Carabineanu</b> A simplified mathematical theory of MHD power generators.....	29
<b>Yair Censor</b> Weak and Strong Superiorization: Between Feasibility-Seeking and Minimization .....	41
<b>Livia Harabagiu and Olivian Simionescu-Panait</b> Propagation of inhomogeneous plane waves in isotropic solid crystals .....	55
<b>Anca Veronica Ion</b> Study of the behaviour of proliferating cells in leukemia modelled by a system of delay differential equations .....	65
<b>Stelian Ion, Dorin Marinescu, Anca Veronica Ion, Stefan Gicu Cruceanu, Virgil Iordache</b> Water flow on vegetated hill. 1D shallow water equation type model .....	83
<b>Gheorghe Juncu</b> Brinkman-Forchheimer-Darcy flow past an impermeable sphere embedded in a porous medium .....	97
<b>Alexandru M. Morega, Cristina Savastru, Mihaela Morega</b> Measuring the Hemodynamic Flow in the Brachial-Ulnar-Radial Arterial System .....	113
<b>Stefania Petra</b> Randomized Sparse Block Kaczmarz as Randomized Dual Block- Coordinate Descent .....	129

---

<b>Fabian Rathke, Christoph Schnörr</b>	
A Computational Approach to Log-Concave Density Estimation ..	151
<b>N. Suci, S. Attinger, F. A. Radu, C. Vamos, J. Vanderborght,</b>	
<b>H. Vereecken, P. Knabner</b>	
Solute transport in aquifers with evolving scale heterogeneity .....	167
<b>N. Suci, L. Schüler, S. Attinger, C. Vamos, P. Knabner</b>	
Consistency issues in PDF methods .....	187
<b>Raluca Vernic</b>	
On a conjecture related to the ruin probability for nonhomogeneous	
insurance claims .....	209