



C.P. 16 – 162, 062510 – BUCUREȘTI
tel. 021.4113617, fax 021.4114280

e-mail. office@matrixrom.ro, www.matrixrom.ro

Topics in mathematical modelling of life science problems

Global Event Analysis and Cluster Algorithm for Jet Studies - Danut Argintaru and Eliodor Constantinescu

Sparse Template-Based Image Segmentation and Shape Decomposition - Dirk Breitenreicher, Jan Lellmann, Stefania Petra, and Christoph Schnörr

Cellular Exclusion Algorithm for Parameter Estimation with Applications in Biological Models - S.G.Cruceanu and D.Marinescu

Mathematical modelling of metals mobility in the soil root zone - Stelian Ion

Iterative methods for numerical solution of the multicomponent mass transfer equations - Gheorghe Juncu, Aurelian Nicola and Constantin Popa

Electrical Activity of the Heart by Numerical Simulation - Alexandru M. Morega, Alin A. Dobre, Mihaela C. Ipate, Mihaela Morega

Analysis of missing causes of failure in competing risks in the context of the Larson and Dinse approach - M. Alina Nicolaie

Advanced Modeling of an Internal Combustion Engine Structural Problem - Emil Oanta, Cornel Panait, Marina Vasile

Approximating Functions of Vertical Atmospheric Temperature Profile - M. Sammany, E. Pelican, H. Al-Najar

Electromechanics of Solid Continua subject to a Bias - Olivian Simionescu-Panait