

Contents

Iguernane M., Nazarov S.A., Roche J.-R., Sokolowski J. and Szulc K. Topological derivatives for semilinear elliptic equations	191
Bylina B. and Bylina J. Influence of preconditioning and blocking on accuracy in solving Markovian models	207
Deng J., Becerra V.M. and Stobart R. Input constraints handling in an MPC/feedback linearization scheme	219
Ławryńczuk M. Efficient nonlinear predictive control based on structured neural models .	233
Wang D., Wu S. and Okubo S. Design of the state predictive model following control system with time-delay	247
Kaczorek T. Independence of asymptotic stability of positive 2D linear systems with delays of their delays	255
Busłowicz M. and Kaczorek T. Simple conditions for practical stability of positive fractional discrete-time linear systems	263
Janiszowski K.B. Control error dynamic modification as an efficient tool for reduction of effects introduced by actuator constraints	271
Horla D. On directional change and anti-windup compensation in multivariable control systems	281
Niewiadomska-Szynkiewicz E. and Marks M. Optimization schemes for wireless sensor network localization	291
Siwek K., Osowski S. and Szupiluk R. Ensemble neural network approach for accurate load forecasting in a power system	303
Mikulik J. and Zajdel M. Automatic risk control based on FSA methodology adaptation for safety assessment in intelligent buildings	317
Barszcz T. Decomposition of vibration signals into deterministic and nondeterministic components and its capabilities of fault detection and identification	327
Brdyś M.A., Borowa A., Idźkowiak P. and Brdyś M.T. Adaptive prediction of stock exchange indices by state space wavelet networks	337
Tabor Z. Statistical estimation of the dynamics of watershed dams	349

