

Contents

Hou X. The asymptotical stability of a dynamic system with structural damping	131
Zerrik E.H. and Bourray H. Gradient observability for diffusion systems	139
Twardowska K., Marnik T. and Paławska-Południak M. Approximation of the Zakai equation in a nonlinear filtering problem with delay	151
Kaczorek T. The relationship between the infinite eigenvalue assignment for singular systems and the solvability of polynomial matrix equations	161
Songschon S. and Longman R.W. Comparison of the stability boundary and the frequency response stability condition in learning and repetitive control	169
Gurfil P. Quantitative L^p stability analysis of a class of linear time-varying feedback systems	179
Phan M.Q., Longman R.W., Cheol S. and Lee J.-W. System identification from multiple-trial data corrupted by non-repeating periodic disturbances	185
Mitkowski W. Remarks about energy transfer in an RC ladder network	193
Janiszowski K.B. Inversion of square matrices in processors with limited calculation abilities	199
Sadecki J. An efficiency analysis of the parallel multitransputer implementation of two-level optimization algorithms	205
Łęski J. A fuzzy if-then rule-based nonlinear classifier	215
Alimi A.M., Hassine R. and Selmi M. Beta fuzzy logic systems: Approximation properties in the MIMO case	225
Taibi T. and Ngo D.C.L. Modeling of distributed objects computing design pattern combinations using a formal specification language	239
Mrozek Z. Computer aided design of mechatronic systems	255