

CONTENTS

Balachandran K. and Divya S. Controllability of nonlinear implicit fractional integrodifferential systems . . .	713
Przyłuski K.M. On an infinite dimensional linear-quadratic problem with fixed endpoints: The continuity question	723
Kaczorek T. Minimum energy control of fractional descriptor positive discrete-time linear systems	735
Zeng C., Liang S., Zhang Y., Zhong J. and Su Y. Improving the stability of discretization zeros with the Taylor method using a generalization of the fractional-order hold	745
Korus Ł. Efficiency analysis of control algorithms in spatially distributed systems with chaotic behavior	759
Górecki H. and Zaczyk M. Analytic results for oscillatory systems with extremal dynamic properties	771
Assawinchaichote W. Further results on robust fuzzy dynamic systems with LMI \mathcal{D} -stability constraints	785
Punčochář I. and Šimandl M. On infinite horizon active fault diagnosis for a class of non-linear non-Gaussian systems	795
Chabir K., Sid M.A. and Sauter D. Fault diagnosis in a networked control system under communication constraints: A quadrotor application	809
Kuzmych O., Aitouche A., El Hajjaji A. and Bosche J. Nonlinear control for a diesel engine: A CLF-based approach	821
Cherniha R., Stachowska-Piętka J. and Waniewski J. A mathematical model for fluid-glucose-albumin transport in peritoneal dialysis	837
Zduniak B., Bodnar M. and Foryś U. A modified van der Pol equation with delay in a description of the heart action	853
Barabasz B., Gajda-Zagórska E., Migórski S., Paszyński M., Schaefer R. and Smółka M. A hybrid algorithm for solving inverse problems in elasticity	865
Woźniak M., Kempa W.M., Gabryel M. and Nowicki R.K. A finite-buffer queue with a single vacation policy: An analytical study with evolutionary positioning	887
Mann Z.Á. and Szép T. Accelerating backtrack search with a best-first-search strategy	901
Mančev D. and Todorović B. A primal sub-gradient method for structured classification with the averaged sum loss	917
Clempner J. An analytical method for well-formed workflow/Petri net verification of classical soundness	931
Klimek R. A system for deduction-based formal verification of workflow-oriented software models	941