

Closed-loop identification of fractional-order models using FOMCON toolbox for MATLAB

Tepļakov, Aleksei; Petlenkov, Eduard; Belikov, Juri BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 213-216 : ill

Design of retuning fractional PID controllers for a closed-loop magnetic levitation control system

Tepļakov, Aleksei; Petlenkov, Eduard; Belikov, Juri; Gonzalez, Emmanuel A. 2014 13th International Conference on Control, Automation, Robotics & Vision (ICARCV 2014) : Marina Bay Sands, Singapore, 10-12th December 2014 2014 / p. 1345-1350 : ill

Efficient analog implementations of fractional-order controllers

Tepļakov, Aleksei; Petlenkov, Eduard; Belikov, Juri Proceedings of the 2013 14th International Carpathian Control Conference (ICCC) : Rytro, Hotel Perła Południa, Poland, May 26-29, 2013 2013 / p. 377-382 : ill

Embedded system implementation of digital fractional filter approximations for control applications

Tepļakov, Aleksei; Petlenkov, Eduard; Belikov, Juri Proceedings of the 21st International Conference Mixed Design of Integrated Circuits and Systems : MIXDES 2014 : Lublin, Poland, June 19-21, 2014 2014 / p. 441-445 : ill

Fractional-order digital filter approximation method for embedded control applications

Tepļakov, Aleksei; Petlenkov, Eduard; Belikov, Juri International journal of microelectronics and computer science 2014 / p. 54-60 : ill