

A robust eigenvalue ratio detector for cognitive radio [Electronic resource]

Trump, Tõnu 19th International Conference on Digital Signal Processing : 20-23 August 2014, The Hong Kong Polytechnic University : [proceedings] 2014 / p. 30-35 : ill. [USB]

CTA diffusion based recursive energy detection

Ainomäe, Ahti; Trump, Tõnu; Bengtsson, Mats Latest trends in circuits, systems, signal processing and automatic control : [proceedings of the 5th CSCS'14, the 2nd ASAP'14 : Salerno, Italy, June 3-5, 2014] 2014 / p. 38-47 : ill

Distributed adaptive network performance with static topology and unweighed communication

Ulp, Sander; Trump, Tõnu Latest trends in circuits, systems, signal processing and automatic control : [proceedings of the 5th CSCS'14, the 2nd ASAP'14 : Salerno, Italy, June 3-5, 2014] 2014 / p. 126-130 : ill

Leader selection in cooperative network based on MDL subspace algorithm for cognitive radio

Ulp, Sander; Trump, Tõnu Conference Record of The Fiftieth Asilomar Conference on Signals, Systems & Computers : November 6-9, 2016, Pacific Grove, California 2016 / p. 704-708 : ill <https://doi.org/10.1109/ACSSC.2016.7869136>

On stable cones of polynomials via reduced Routh parameters

Nurges, Ülo; Belikov, Juri; Artemtšuk, Igor Kybernetika 2016 / p. 461-477 <http://doi.org/10.14736/kyb-2016-3-0461>

Outage probability of a robust antenna array

Astra, Egon; Trump, Tõnu Latest trends in circuits, systems, signal processing and automatic control : [proceedings of the 5th CSCS'14, the 2nd ASAP'14 : Salerno, Italy, June 3-5, 2014] 2014 / p. 64-69 : ill

Reflection coefficient approach to robust state controller design

Nurges, Ülo; Rüstern, Ennu IEEE International Conference on Control and Automation : ICCA 2009 : Christchurch, New Zealand, December 9-11, 2009 2009 / p. 519-523 <https://ieeexplore.ieee.org/document/5410189>

Reflection segments based robust PID controller solution for benchmark problem

Avanessov, Sergei; Nurges, Ülo 2014 22nd Mediterranean Conference on Control and Automation (MED) : University of Palermo, June 16-19, 2014, Palermo, Italy 2014 / p. 1406-1411 : ill

Robust adaptive beamforming for surveillance system using 2D antenna array

Tart, Allan; Trump, Tõnu 2014 Tyrrhenian International Workshop on Digital Communications : Enhanced Surveillance of Aircraft and Vehicles TIWDC/ESAV : September 15th-16th, 2014, Rome, Italy 2014 / p. 110-115 : ill

Robust algorithms for signal processing : plenary lecture 2

Trump, Tõnu Latest trends in circuits, systems, signal processing and automatic control : [proceedings of the 5th CSCS'14, the 2nd ASAP'14 : Salerno, Italy, June 3-5, 2014] 2014 / p. 12 : phot

Robust control for a class of linear systems

Nurges, Ülo Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1993 / 1, lk. 90-94

Robust control via polytopic stability region approximations

Nurges, Ülo; Rüstern, Ennu Proceedings of the 15th Mediterranean Conference on Control and Automation : MED'07 : Athena (Greece), June 27-29, 2007 2007 / [5] p <https://ieeexplore.ieee.org/document/4433838>

Robust detectors for cognitive radio = Robustsed detektorid kognitiivsele raadiole

Müürsepp, Ivo 2013 https://www.ester.ee/record=b2996730*est

Robust detectors for cognitive radio system

Trump, Tõnu; Khan, Imtiyaz EURASIP journal on wireless communications and networking 2015 / p. 1-16 : ill <http://dx.doi.org/10.1186/s13638-015-0487-y>

Robust energy detector for cognitive radio

Müürsepp, Ivo Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK neljanda aastakonverentsi artiklite kogumik : 26.-27. novembril 2010, Essu mõis 2010 / lk. 113-116

Robust PID controller design for continuous-time systems via reduced routh parameters = Pidevaja süsteemide robustse PID kontrolleri süntees taandatud Routh parameetrite kaudu

Artemtšuk, Igor 2019 <https://digi.lib.ttu.ee/i/?13259>

Robust pole assignment via Routh rays of polynomials

Artemtšuk, Igor; Nurges, Ülo; Belikov, Juri 2016 American Control Conference (ACC) : July 6-8, Boston, MA, USA 2016 / p. 7031-7036 : ill <http://doi.org/10.1109/ACC.2016.7526781>

Robust stability analysis of interval fractional-order plants with interval time delay and general form of fractional-order controllers

Ghorbani, Majid; Tavakoli-Kakhki, Mahsan; **Tepljakov, Aleksei**; **Petlenkov, Eduard**; Farnam, Arash; Crevecœur, Guillaume IEEE Control Systems Letters 2022 / p. 1268-1273 <https://doi.org/10.1109/LCSYS.2021.3091525> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Robust stability analysis of Smith predictor based interval fractional-order control systems: a case study in level control process

Ghorbani, Majid; Tavakoli-Kakhki, Mahsan; **Tepljakov, Aleksei**; **Petlenkov, Eduard** IEEE/CAA Journal of Automatica Sinica 2023 / p. 762-780 <https://doi.org/10.1109/JAS.2022.105986>

Robust stability testing function for a complex interval family of fractional-order polynomials

Ghorbani, Majid; Rezaei, Hossein; **Tepljakov, Aleksei**; **Petlenkov, Eduard** Journal of the Franklin Institute 2022 / p. 10038 - 10057 <https://doi.org/10.1016/j.jfranklin.2022.09.042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Stable cones of polynomials via Routh rays

Artemtšuk, Igor; **Nurges, Ülo**; **Belikov, Juri**; **Kaparin, Vadim** Proceedings of the 2015 20th International Conference on Process Control (PC) : Hotel Sorea Trigan Banik, Štrbske Pleso, Slovakia, June 9-12, 2015 2015 / p. 255-260 : ill <http://dx.doi.org/10.1109/PC.2015.7169972>

Stable cones of polynomials via Routh rays

Artemtšuk, Igor; **Nurges, Ülo**; **Belikov, Juri**; **Kaparin, Vadim** 20th International Conference on Process Control 2015 : June 9-12, 2015, Štrbske Pleso, Slovak Republic : summaries volume 2015 / p. 33

Two dimensional robust beamforming for air-ground communication system

Tart, Allan; **Trump, Tõnu** 2014 Integrated Communications Navigation and Surveillance (ICNS) Conference : April 8-10, 2014 2014 / p. B2-1-B2-8 : ill