

A quadratic programming approach to output and robust controller design

Nurges, Ülo; Rüstern, Ennu Proceedings of the 3rd International Conference on Control Theory and Applications : Pretoria, South Africa, December 2001 2001 / p. 113-117

Comments on "Approximate linear realizations of given dimension via Ho's algorithm"

Jaaksoo, Ülo; Nurges, Ülo IEEE transactions on automatic control : a publication of the IEEE Control Systems Society 1975 / p. 302-303 https://www.ester.ee/record=b1200585*est

Fixed order stabilizing controller design via random reflection segments

Nurges, Ülo; Avanesov, Sergei The 12th International Conference on Control, Automation, Robotics and Vision, ICARCV 2012 : 5-7 December, 2012, Guangzhou, China : [proceedings] 2012 / p. 530-535 : ill <https://ieeexplore.ieee.org/document/5983069/similar#similar>

Fixed-order stabilising controller design by a mixed randomised/deterministic method

Nurges, Ülo; Avanesov, Sergei International journal of control 2015 / p. 335-346 <https://doi.org/10.1080/00207179.2014.953208>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Generation of stable polytopes of Hurwitz polynomials via Routh parameters

Nurges, Ülo; Artemtšuk, Igor; Belikov, Juri 53rd IEEE Conference on Decision and Control : December 15-17, 2014, Los Angeles, California, USA 2014 / p. 2390-2395 : ill <https://doi.org/10.1109/CDC.2014.7039753> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Laguerre state equations of a multivariable discrete time system

Jaaksoo, Ülo; Nurges, Ülo Control science and technology for the progress of society : IFAC 8th Triennial World Congress, Aug. 24-28, 1981, Kyoto, Japan, Preprints. Vol.1-20, 22-23 1981 / p. 56-62 https://www.ester.ee/record=b2014744*est

New stability conditions for discrete polynomials

Nurges, Ülo; Rüstern, Ennu Proceedings of the 2005 American Control Conference : June 8-June 10, 2005, Hilton Portland & Executive Tower, Portland, Oregon. Vol. 6 2005 / p. 4149-4153 : ill https://folk.ntnu.no/skoge/prost/proceedings/acc05/PDFs/Papers/0742_FrB05_6.pdf

New stability conditions for discrete-time systems

Nurges, Ülo; Rüstern, Ennu Proceedings of the 6th Asia-Pacific Conference on Control & Measurement : 12-19 August, 2004, Chengdu, China 2004 / p. 167-173

New stability conditions via reflection coefficients of polynomials

Nurges, Ülo IEEE transactions on automatic control 2006 / 9, p. 1354-1360 : ill <https://ieeexplore.ieee.org/document/1506942>

On robust control and nice stability via reflection coefficients

Nurges, Ülo Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1999 / 1, p. 31-47: ill

On stable cones of polynomials via reduced Routh parameters

Nurges, Ülo; Belikov, Juri; Artemtšuk, Igor Kybernetika 2016 / p. 461-477 <https://doi.org/10.14736/kyb-2016-3-0461> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the robust control of polytopic plants

Nurges, Ülo; Rüstern, Ennu Proceedings of the 1999 American Control Conference : June 2-4, 1999, Hyatt Regency San Diego, San Diego, California, USA. Vol. 1 1999 / p. 435-439 : ill <https://ieeexplore.ieee.org/document/782865>

On the robust controller design via reflection coefficients

Nurges, Ülo; Rüstern, Ennu Proceedings of the 5th Asia-Pacific Conference on Control & Measurement, Dali, China, 2002 2002 / p. 160-165

On the robust controller design via Schur invariant transforms

Nurges, Ülo Proceedings of the Estonian Academy of Sciences. Engineering 1997 / 4, p. 293-301: ill

On the robust output control via reflection vectors [Electronic resource]

Nurges, Ülo; Rüstern, Ennu Preprints of the 16th IFAC World Congress : Prague, Czech Republic, July 3-8, 2005 2005 / [6] p. [CD-ROM] <https://www.sciencedirect.com/science/article/pii/S1474667016370434>

On the robust pole placement for interval plants

Nurges, Ülo; Rüstern, Ennu Proceedings of the Workshop on Applications of Interval Analysis to Systems and Control : Girona, Spain, February 24-26, 1999 1999 / p. 423-431

On the robust stability and robust control via reflections coefficients [Electronic resource]

Nurges, Ülo; Rüstern, Ennu Proceedings of the First African Control Conference : University of Cape Town, Cape Town, South Africa, 3-5 December 2003 2003 / p. 381-386 [CD-ROM] <https://folk.ntnu.no/skoge/prost/proceedings/afcon03/Papers/003.pdf>

On the robust stability of discrete-time systems

Nurges, Ülo; Rüstern, Ennu The 1998 IEEE Asia Pacific Conference on Circuits and Systems : Microelectronics and Integrating Systems : November 24-27, 1998, Chiangmai Plaza Hotel, Chiangmai, Thailand 1998 / p. 407-410

A quadratic programming approach to robust controller design

Nurges, Ülo Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2001 / 2, p. 98-111

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

Reflection segments based stability domain approximation of the robust PID controller parameters

Avanessov, Sergei; Nurges, Ülo 2012 20th Mediterranean Conference on Control & Automation (MED), MED 2012 : Conference Proceedings : July 3-6, 2012, Catalonia Barcelona Plaza Hotel, Barcelona, Spain 2012 / p. 204-209 : ill
<https://ieeexplore.ieee.org/document/6265639>

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

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

Robust pole assignment via reflection coefficients of polynomials

Nurges, Ülo Automatica 2006 / 7, p. 1223-1230 : ill

Robust pole assignment via Routh rays of polynomials

Artemšuk, Igor; Nurges, Ülo; Belikov, Juri 2016 American Control Conference (ACC) : July 6-8, Boston, MA, USA 2016 / p. 7031-7036 : ill <https://doi.org/10.1109/ACC.2016.7526781> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Robust pole assignment via stable polytopes of reflection vectors

Nurges, Ülo Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2006 / 2, p. 75-95 : ill

Robust pole placement by quadratic programming

Nurges, Ülo; Rüstern, Ennu 5th IFAC Symposium on Robust Control Design : Toulouse, France, July 4-7, 2006 2006 / p. 333-338
<https://www.sciencedirect.com/science/article/pii/S1474667015335217>

Robust pole placement via polytope of reflection vectors

Nurges, Ülo; Rüstern, Ennu ECC'07 European Control Conference : July 2-5, 2007, Kos, Greece : proceedings 2007 / p. 798-803
<https://ieeexplore.ieee.org/document/7068240>

Robust reflection coefficients placement by quadratic programming

Nurges, Ülo; Rüstern, Ennu Proc. IEEE Conference on Decision and Control 2000 / p. 16
https://www.researchgate.net/publication/251794857_Robust_reflection_coefficients_placement_by_quadratic_programming

Robust state controller via reflection coefficient assignment

Nurges, Ülo Proceedings of the Estonian Academy of Sciences 2011 / 1, p. 38-47 https://artiklid.elnet.ee/record=b2284199*est

Some new stability margins for discrete-time systems

Nurges, Ülo Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 2, p. 186-197

Stability margin via reflection vectors [Electronic resource]

Nurges, Ülo Proceedings of European Control Conference : Cambridge, UK, 2003 2003 / [4] p. : ill. [CD-ROM]
<https://ieeexplore.ieee.org/document/7085050>

Stability of discrete-time systems via polytopes of reflection vector sets

Avanessov, Sergei; Nurges, Ülo Estonian journal of engineering 2012 / p. 291-301

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

Stable polytopes of reflection vectors and robust control

Nurges, Ülo; Rüstern, Ennu Proceedings of the 7th Asia-Pacific Conference on Control & Measurement : 10-18 August, 2006, Tibet, China 2006 / p. 345-349

The discrete Kharitonov theorem revisited

Nurges, Ülo Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1998 / 2, p. 90-99: ill

The distance from stability boundary and reflection vectors [Electronic resource]

Nurges, Ülo; Rüstern, Ennu 2002 American Control Conference : Anchorage, Alaska, May 8-10, 2002 : conference proceedings 2002 / p. 3908-3913 [CD-ROM] <https://ieeexplore.ieee.org/document/1024539>

Usaldusväärses e-hääletus nõuab mugavustsoonist väljaastumist

Nurges, Ülo postimees.ee 2023 [Usaldusväärses e-hääletus nõuab mugavustsoonist väljaastumist](#)

Автоматизированное проектирование многомерных линейных систем управления

Oit, Monika; Pajuruu, J.; Härmaorg, T.; Jaaksoo, Ülo; Kotta, Ülle; Nurges, Ülo VIII Всесоюзное совещание по проблемам управления : Таллин, октябрь 1980 : тезисы докладов. Книга 3 1980 / с. 597-600 https://www.ester.ee/record=b1275375*est

Выяснение более рациональных конструкций простых обучающих машин

Tamm, L.; Jürsen, V.; Laansoo, Ants; Nurges, Ülo X студенческая научно-техническая конференция высших учебных заведений Прибалтики, Белорусской ССР и Калининградской области : аннотации научных работ 1964 / с. 25
https://www.ester.ee/record=b1749611*est <http://www.digar.ee/id/nlib-digar:376945>

Лагерровы уравнения состояния многомерной дискретной системы

Nurges, Ülo; Jaaksoo, Ülo Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1981 / lk. 209-219 : ill. <https://www.etera.ee/zoom/18899/view?page=1&p=separate>

Лагерровы уравнения состояния многомерной дискретной системы

Nurges, Ülo; Jaaksoo, Ülo Автоматика и телемеханика 1981 / с. 27-30 https://www.ester.ee/record=b1515055*est

Машинное проектирование систем многосвязного регулирования

Jaaksoo, Ülo; Nurges, Ülo Тематический сборник научных трудов. № 232 1979 / с. 117-123 : рис
https://www.ester.ee/record=b1491442*est

Машинное проектирование систем многосвязного регулирования

Jaaksoo, Ülo; Nurges, Ülo Автоматизация проектирования систем автоматического и автоматизированного управления : II Всесоюзное научно-техническое совещание : тезисы докладов 1978 / с. 50 https://www.ester.ee/record=b2967513*est

О канонических формах представления некоторых линейных систем

Nurges, Ülo; Jaaksoo, Ülo Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1975 / lk. 270-276 <https://www.etera.ee/zoom/19217/view?page=1&p=separate&tool=info>

О минимальной реализации линейных систем с изменяющейся размерностью вектора состояния

Jaaksoo, Ülo; Nurges, Ülo Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1972 / lk. 59-65 joon. <https://www.etera.ee/zoom/19175/view?page=1&p=separate&tool=info>

Сокращение размерности линейных динамических систем со многими входами и выходами

Nurges, Ülo; Jaaksoo, Ülo Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1975 / lk. 149-157 <https://www.etera.ee/zoom/19650/view?page=1&p=separate&tool=info>

