

Analysis and development of the PLC control system with the distributed I/Os = Hajutatud sisenditega/väljunditega programmeeritavate kontrolleriite juhtimissüsteemi analüüs ja arendamine

Ruban, Olga 2009 <https://digi.lib.ttu.ee/II/?294> https://www.ester.ee/record=b2508774*est

Extended observer form : simple existence conditions

Kaparin, Vadim; Kotta, Ülle; Mullari, Tanel International journal of control 2013 / p. 794-803 : ill

<https://doi.org/10.1080/00207179.2012.760048> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lineaarse mitmedimensionaalse dünaamilise süsteemi identifitseerimine sisend-väljundandmete põhjal

Kotta, Ülle 350 aastat matemaatikat Tartu Ülikoolis = 350 лет математики в Тартуском университете : ettekannete teesid 1982 / lk. 82-85 https://www.ester.ee/record=b1255795*est

MIMO model of an industrial water boiler

Vansovitš, Vitali; Tepļakov, Aleksei; Belikov, Juri Doctoral School in Information and Communication Technology : proceedings of doctoral session of BEC 2014 : October 6-8 2014, Laulasmaa 2014 / p. 27-28 : ill

On the transformation of a nonlinear discrete-time input-output system into the strong row-reduced form

Bartosiewicz, Zbigniew; Belikov, Juri; Kotta, Ülle; Tõnso, Maris; Wyrwas, Małgorzata Proceedings of the Estonian Academy of Sciences 2016 / p. 220-236 <https://doi.org/10.3176/proc.2016.3.02> https://artiklid.elnet.ee/record=b2798394*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimum modelling of input-output characteristics

Suvalova, Jelena Scientific proceedings of Riga Technical University. 4. [series], Power and electrical engineering 2002 / p. 113-118 : ill

Realisation of linear time-varying systems

Kotta, Ülle; Tõnso, Maris International journal of control 2017 / p. 1951-1956 <https://doi.org/10.1080/00207179.2016.1230891> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Securing verified IO programs against unverified code in FI

Andrici, Cezar-Constantin; Ciobâca, Stefan; HriÅ£cu, Catalin; Martínez, Guido; Rivas Gadda, Exequiel Matías; Tanter, Éric; Winterhalter, Théo Proceedings of the ACM on programming languages 2024 / art. 74, 34 p. : ill <https://doi.org/10.1145/3632916> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

State-space realization of nonlinear control systems : unification and extension via pseudo-linear algebra

Belikov, Juri; Kotta, Ülle; Tõnso, Maris Kybernetika 2012 / p. 1100-1113 https://www.researchgate.net/publication/269024076_State-space_realization_of_nonlinear_control_systems_Unification_and_extension_via_pseudo-linear_algebra

Transfer matrix and its Jacobson form for nonlinear systems on time scales : mathematica implementation

Belikov, Juri; Kotta, Ülle; Leibak, Alar Full Papers : 18th International Conference on Process Control '11 : June 14-17, 2011, Tatransk Lomnica, Slovakia 2011 / p. 141-146