

A transfer function approach to the realisation problem of nonlinear systems

Halas, Miroslav; **Kotta, Ülle** International journal of control 2012 / p. 320-331

Degree of Dieudonne determinant defines the order of nonlinear system

Kotta, Ülle; Belikov, Juri; Halas, Miroslav; **Leibak, Alar** International journal of control 2019 / p. 518-527

<https://doi.org/10.1080/00207179.2017.1361042> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and implementation of fractional-order PID controllers for a fluid tank system

Tepljakov, Aleksei; Petlenkov, Eduard; Belikov, Juri; Halas, Miroslav 2013 American Control Conference (ACC) : Washington, DC, USA, June 17-19, 2013 2013 / p. 1777-1782 : ill <https://doi.org/10.1109/acc.2013.6580093> [Conference Proceedings at Scopus](#)

[Article at Scopus](#)

Model matching problem for discrete-time nonlinear systems

Belikov, Juri; Halas, Miroslav; **Kotta, Ülle**; Moog, Claude Proceedings of the Estonian Academy of Sciences 2015 / p. 457-472 : ill

https://artiklid.elnet.ee/record=b2750720*est <https://doi.org/10.3176/proc.2015.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Non-commutative determinants in nonlinear control theory : preliminary ideas

Kotta, Ülle; Leibak, Alar; Halas, Miroslav ICARCV 2008 : 10th International Conference on Control, Automation, Robotics & Vision : 17-20 December 2008, Hanoi, Vietnam 2008 / p. 815-820 <https://ieeexplore.ieee.org/document/4795622>

A polynomial approach to a nonlinear model matching problem

Belikov, Juri; Halas, Miroslav; **Kotta, Ülle**; Moog, Claude Proceedings of the Estonian Academy of Sciences 2016 / p. 330-344 : ill

<https://doi.org/10.3176/proc.2016.4.02> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Transfer functions of discrete-time nonlinear control systems

Halas, Miroslav; **Kotta, Ülle** Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2007 / 4, p. 322-335