

**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 / p. 381-386 [CD-ROM]

**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 PlazaHotel, Barcelona, Spain 2012 / p. 204-209 : ill  
<https://ieeexplore.ieee.org/document/6265639>

**Retrofitting fractional-order dynamics to an existing feedback control system : from classical proportional-integral (PI) control to fractional-order proportional-derivative (FOPD) control**

Gonzalez, Emmanuel A.; **Tepljakov, Aleksei**; Monje, Concepcion A.; Petráš, Ivo International research journal on innovations in engineering, science and technology 2017 / 6 p [https://www.researchgate.net/publication/325989325\\_Retrofitting\\_Fractional-Order\\_Dynamics\\_to\\_an\\_Existing\\_Feedback\\_Control\\_System\\_From\\_Classical\\_Proportional-Integral\\_PI\\_Control\\_to\\_Fractional-Order\\_Proportional-Derivative\\_FOPD\\_Control](https://www.researchgate.net/publication/325989325_Retrofitting_Fractional-Order_Dynamics_to_an_Existing_Feedback_Control_System_From_Classical_Proportional-Integral_PI_Control_to_Fractional-Order_Proportional-Derivative_FOPD_Control)

**Software implementation of FOPID controllers with tuning capability for fractional FOPDT plants**

**Tepljakov, Aleksei**; Alagoz, Baris Baykant 44th International Conference on Telecommunications and Signal Processing (TSP) 2021 / p. 199-203 <https://doi.org/10.1109/TSP52935.2021.9522602>