

Design of a generalized fractional-order PID controller using operational amplifiers

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Design of a MATLAB-based teaching tool in introductory fractional-order systems and controls [Electronic resource]

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Design of retuning fractional PID controllers for a closed-loop magnetic levitation control system

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Digital realization of retuning fractional-order controllers for an existing closed-loop control system

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Model reference adaptive control scheme for retuning method-based fractional-order PID control with disturbance rejection applied to closed-loop control of a magnetic levitation system

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A numerical study for plant-independent evaluation of fractional-order PID controller performance

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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

Towards industrialization of FOPID controllers : a survey on milestones of fractional-order control and pathways for future developments

Tepljakov, Aleksei; Alagoz, Baris Baykant; Yeroglu, Celaledin; Gonzalez, Emmanuel A.; HosseinNia Kani, Seyed Hassan; **Petlenkov, Eduard; Ates, Abdullah; Cech, Martin** IEEE Access 2021 / p. 21016-21042
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