

Data-driven model predictive techniques for unknown linear time invariant systems

Ghorbani, Majid IEEE Control Systems Letters 2024 / p. 199 - 204 <https://doi.org/10.1109/LCSYS.2024.3359068> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Event-triggered resilient distributed extended Kalman filter with consensus on estimation

Rezaei, Hossein; **Ghorbani, Majid** International Journal of Robust and Nonlinear Control 2022 / p. 1303 - 1315
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From data to stability: a novel approach for controlling unknown linear time-invariant systems with performance enhancement

Ghorbani, Majid; Nosrati, Komeil; Tepljakov, Aleksei; Petlenkov, Eduard Journal of Computational Applied Mechanics 2024 / p. 451-461 <https://doi.org/10.22059/JCAMECH.2024.368986.913> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Graphical tuning for robust stabilization : implementable stability regions for fractional-order proportional integral controllers in interval fractional-order systems

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On robust stability of uncertain control systems with time delay : an approach based on the overlap of value sets

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Robust D-stability analysis of fractional-order controllers

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Robust FOPID stabilization for Smith Predictor structures

Ghorbani, Majid; Tepljakov, Aleksei; Petlenkov, Eduard 61st IEEE Conference on Decision and Control, CDC 2022, Cancun, 6 December - 9 December 2022, proceedings 2022 / p. 1696-1701 <https://doi.org/10.1109/CDC51059.2022.9993283> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Robust stabilization criteria of a general form of fractional-order controllers for interval fractional-order plants with complex uncertain parameters

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Robust stabilization of interval fractional-order plants with an interval time delay by fractional-order proportional integral derivative controllers

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Robust stability analysis of interval fractional-order plants with interval time delay and general form of fractional-order controllers

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Robust stability region of PI controllers for an interval time delayed load frequency control

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