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# SLINDING MODE ROBOT CONTROLLER TUNING GENETIC ALGORITHMS & FUZZY LOGIC



LAP Lambert Academic Publishing Aug 2016, 2016. Taschenbuch. Book Condition: Neu. 220x150x5 mm. Neuware - Sliding Mode Controllers possess robustness properties under parameter uncertainties. The ideally zero switching time of the controller output cannot be achieved in digital implementation. This causes a phenomenon called chattering - high frequency oscillations observed in systems state variables. Chattering also shows itself as high amplitude oscillatory behavior in the control signal. A chattering actuator output is not favorable for many plants, including robot manipulators...

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- Authored by BASEL ELTHALATHINY
- Released at 2016



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