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(2020). Adaptive robust control for lower limb rehabilitation robot with uncertainty based on Udwadia-Kalaba approach. *Advanced Robotics: Vol. 34, Special Issue on Neuro-Robotics: From Brain Machine Interfaces to Rehabilitation Robotics*, pp. 1012-1022.

Adaptive robust control for lower limb rehabilitation ...

For those interested in the state of the art in robust adaptive control, this book forms an excellent source for the interplay between robustness and dynamics of adaptive elements in control design. Whereas this text ties together developments of the past 3 decades with more classical notions, it is also a nice segue into the recent L1-adaptive control formulations.

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In control theory, robust control is an approach to controller design that explicitly deals with uncertainty. Robust control methods are designed to function properly provided that uncertain parameters or disturbances are found within some (typically compact) set. Robust methods aim to achieve robust performance and/or stability in the presence of bounded modelling errors.

Robust control - Wikipedia

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Adaptive control - Wikipedia

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