

Wang, Danwei

Convergence and robustness of discrete time nonlinear systems with iterative learning control. (English) [Zbl 0961.93029](#)

Automatica 34, No. 11, 1445-1448 (1998).

The author considers iterative learning control of nonlinear discrete multivariable systems. He mainly discusses robustness and convergence. The results of the experimental study for a mechanism of a DC-motor driving a single rigid link through a gear are provided, too.

Reviewer: [Krzysztof Gałkowski \(Zielona Góra\)](#)

MSC:

[93C35](#) Multivariable systems, multidimensional control systems

[93C55](#) Discrete-time control/observation systems

[93B35](#) Sensitivity (robustness)

[68T05](#) Learning and adaptive systems in artificial intelligence

[93C10](#) Nonlinear systems in control theory

Cited in **17** Documents

Keywords:

[iterative learning control](#); [nonlinear discrete multivariable systems](#); [robustness](#); [convergence](#)

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