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Continuous-time adaptive control of systems with unknown backlash. (English)

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IEEE Trans. Autom. Control 40, No. 6, 1083-1087 (1995).

The backlash model and its inverse is considered. Algorithms to implement the continuous-time backlash inverse are given. This model is applied to the adaptive backlash inverse scheme and the feedback control of a known linear plant with an unknown backlash at its input is developed.

Reviewer: Costică Moroşanu (Iaşi)

MSC:

93C40 Adaptive control/observation systems

93C10 Nonlinear systems in control theory

Cited in **12** Documents

Keywords:

backlash model; adaptive; inverse scheme

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