

1. Record Nr.	UNINA9910143071403321
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Titolo	Performance of nonlinear approximate adaptive controllers
Pubbl/distr/stampa	[Place of publication not identified], : John Wiley & Sons Incorporated, 2003
ISBN	0-470-01409-1 9786610554140 1-280-55414-2
Descrizione fisica	1 online resource (399 pages)
Disciplina	621.3981
Soggetti	Operations Research Civil & Environmental Engineering Engineering & Applied Sciences Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	Non-linear adaptive control refers to automated systems with a degree of artificial intelligence. At the turn of the 21st century, there has been wide interest in non-linear adaptive control using approximate models, either for tracking or regulation, and usually under the banner of neural network based control. This book describes the approximate model philosophy and its setting, and rigorously compares the performance of such controls against competing models.