

1. Record Nr.	UNINA9910482957903321
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Titolo	Filtered Repetitive Control with Nonlinear Systems // by Quan Quan, Kai-Yuan Cai
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-1454-2
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (227 pages)
Disciplina	629.836
Soggetti	Control engineering System theory Statistical physics Robotics Automation Control and Systems Theory Systems Theory, Control Applications of Nonlinear Dynamics and Chaos Theory Robotics and Automation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Preliminaries -- Repetitive Control for Linear Systems -- Robustness Analysis of Repetitive Control Systems -- Repetitive Control for Nonlinear Systems: Linearization Methods -- Repetitive Control for Nonlinear Systems: An Adaptive Control Like Method -- Continuous Time Repetitive Control for Nonlinear Systems: An Additive State Decomposition Method -- Discrete Time Repetitive Control for Nonlinear Systems: An Additive State Decomposition Method -- Repetitive Control for Nonlinear Systems: An Actuator Focused Design Method -- Repetitive Control for Nonlinear Systems: A Contraction Mapping Method.
Sommario/riassunto	Though there have been significant advances in the theory and applications of linear time-invariant systems, developments regarding repetitive control have been sporadic. At the same time, there is a dearth of literature on repetitive control (RC) for nonlinear systems. Addressing that gap, this book discusses a range of basic methods for

solving RC problems in nonlinear systems, including two commonly used methods and three original ones. Providing valuable tools for researchers working on the development of repetitive control, these new and fundamental methods are one of the major features of the book, which will benefit researchers, engineers, and graduate students in e.g. the field of control theory.
