

1. Record Nr.	UNINA9911139971303321
Autore	Pearson Ronald K. <1952->
Titolo	Discrete-time dynamic models / / Ronald K. Pearson
Pubbl/distr/stampa	Oxford University Press, 1999
ISBN	0-19-756129-2 1-280-76061-3 9786610760619 0-19-535281-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (481 p.)
Collana	Topics in chemical engineering
Disciplina	660.2815 660/.2815
Soggetti	Chemical process control - Mathematical models Chemical process control - Computer simulation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previously issued in print: 1999.
Nota di bibliografia	Includes bibliographical references (p. 451-459) and index.
Nota di contenuto	Contents; 1 Motivations and Perspectives; 2 Linear Dynamic Models; 3 Four Views of Nonlinearity; 4 NARMAX Models; 5 Volterra Models; 6 Linear Multimodels; 7 Relations between Model Classes; 8 The Art of Model Development; Bibliography; Index
Sommario/riassunto	Fuelled by advances in computer technology, model-based approaches to the control of industrial processes are now widespread. While there is an enormous literature on modelling, the difficult first step of selecting an appropriate model structure has received almost no attention. This book fills the gap, providing practical insight into model selection for chemical processes and emphasizing structures suitable for control system design.