

1. Record Nr.	UNINA9910139051203321
Autore	Taylor C. James
Titolo	True digital control [[electronic resource]] : statistical modelling and non-minimal state space design // C. James Taylor, Peter C. Young and Arun Chotai
Pubbl/distr/stampa	Chichester, West Sussex, : Wiley, 2013
ISBN	1-118-53551-0 1-118-53552-9 1-118-53550-2
Descrizione fisica	1 online resource (357 p.)
Altri autori (Persone)	YoungPeter C ChotaiArun
Disciplina	629.8/95
Soggetti	Digital control systems Quality control
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Discrete-Time Transfer Functions -- Minimal State Variable Feedback -- Non-Minimal State Variable Feedback -- True Digital Control for Univariate Systems -- Control Structures and Interpretations -- True Digital Control for Multivariable Systems -- Data-Based Identification and Estimation of Transfer Function Models -- Additional Topics.
Sommario/riassunto	True Digital Control: Statistical Modelling and Non-Minimal State Space Design develops a true digital control design philosophy that encompasses data-based model identification, through to control algorithm design, robustness evaluation and implementation. With a heritage from both classical and modern control system synthesis, this book is supported by detailed practical examples based on the authors' research into environmental, mechatronic and robotic systems. Treatment of both statistical modelling and control design under one cover is unusual and highlights the important