1. Record Nr. UNINA990009750270403321

Autore	Phillips, B. H.
Titolo	Beggs deformeter stress analysis of single-barrel conduits / by B. H. Phillips
Pubbl/distr/stampa	Denver : Technical information office Denver Federal Center, 1965
Descrizione fisica	IV, 56 p. : ill. ; 27 cm
Collana	Engineering monograph ; 14
Locazione	DINGE
Collocazione	LA1/7
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910299938003321

Autore	Belov Alexey A
Titolo	Control of Discrete-Time Descriptor Systems : An Anisotropy-Based Approach / / by Alexey A. Belov, Olga G. Andrianova, Alexander P. Kurdyukov
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-78479-X
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (184 pages)
Collana	Studies in Systems, Decision and Control, , 2198-4182 ; ; 157
Disciplina	003.83
Soggetti	Automatic control System theory Mathematical optimization Control and Systems Theory Systems Theory, Control Discrete Optimization
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Formato	Materiale a stampa
Livello bibliografico	Monografia

Nota di contenuto	Practical Application of Descriptor Systems -- Basics of Discrete-time Descriptor Systems Theory -- Anisotropy-based Analysis of LDTI Descriptor Systems -- Optimal Control -- Suboptimal Control -- Anisotropy-based Analysis for LDTI Descriptor Systems with Nonzero-Mean Input Signals -- Robust Anisotropy-based Control.
Sommario/riassunto	Control of Discrete-Time Descriptor Systems takes an anisotropy-based approach to the explanation of random input disturbance with an information-theoretic representation. It describes the random input signal more precisely, and the anisotropic norm minimization included in the book enables readers to tune their controllers better through the mathematical methods provided. The book contains numerous examples of practical applications of descriptor systems in various fields, from robotics to economics, and presents an information-theoretic approach to the mathematical description of coloured noise. Anisotropy-based analysis and design for descriptor systems is supplied along with proofs of basic statements, which help readers to understand the algorithms proposed, and to undertake their own numerical simulations. This book serves as a source of ideas for academic researchers and postgraduate students working in the control of discrete-time systems. The control design procedures outlined are numerically effective and easily implementable in MATLAB®.