

1. Record Nr.	UNINA9910437890203321
Autore	Hasegawa Yasumichi
Titolo	Control Problems of Discrete-Time Dynamical Systems / / by Yasumichi Hasegawa
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	9783642380587 3642380581
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (XII, 160 p.)
Collana	Lecture Notes in Control and Information Sciences, , 0170-8643 ; ; 447
Disciplina	003.83
Soggetti	Automatic control System theory Control and Systems Theory Systems Theory, Control
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Input/output Map and Performance Function for Control Problems -- Control Problems of Linear Systems -- Control problems of So-called Linear System -- Control Problems of Almost Linear System -- Control Problems of Pseudo Linear System -- Control Problems of Affine Dynamical System -- Control Problems of Linear Representation Systems.
Sommario/riassunto	This monograph deals with control problems of discrete-time dynamical systems which include linear and nonlinear input/output relations. It will be of popular interest to researchers, engineers and graduate students who specialized in system theory. A new method which produces manipulated inputs is presented in the sense of state control and output control. This monograph provides new results and their extensions which can also be more applicable for nonlinear dynamical systems. To present the effectiveness of the method, many numerical examples of control problems are provided as well.