

1. Record Nr.	UNINA9910319353803321
Titolo	Reagents for organocatalysis / edited by Tomislav Rovis
Pubbl/distr/stampa	Chichester : Wiley, 2016
ISBN	9781119061007
Descrizione fisica	XX, 699 p. : ill. ; 29 cm
Collana	Handbook of reagents for organic synthesis ; [16]
Disciplina	547.215
Locazione	FFABC
Collocazione	80 XII B 23.16
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr.	UNINA9910299825903321
Autore	Zhang Yunong
Titolo	Zhang Functions and Various Models // by Yunong Zhang, Dongsheng Guo
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2015
ISBN	3-662-47334-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (242 p.)
Disciplina	003.54 006.3 519 620 629.8 629.892
Soggetti	Computational intelligence Computer science - Mathematics Coding theory Information theory Automatic control Robotics Automation Computational Intelligence

Mathematical Applications in Computer Science  
Coding and Information Theory  
Control, Robotics, Automation  
Control and Systems Theory

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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 at the end of each chapters.
Nota di contenuto	Time-Varying Reciprocal -- Time-Varying Inverse Square Root -- Time-Varying Square Root -- System of Time-Varying Linear Equations -- Over-Determined and Under-Determined Systems of Time-Varying Linear Equations -- Time-Varying Linear Matrix-Vector Inequality -- Time-VaryingMatrix Inverse -- Time-VaryingMatrix Left Pseudoinverse -- Time-VaryingMatrix Right Pseudoinverse -- Time-VaryingMatrix Square Root -- Time-Varying Complex Reciprocal -- Time-Varying Complex Matrix Inverse -- Time-Varying Complex Matrix Generalized Inverse -- Application to Fixed-Base Robot RMP -- Application to Mobile Robot RMP.
Sommario/riassunto	This book focuses on solving different types of time-varying problems. It presents various Zhang dynamics (ZD) models by defining various Zhang functions (ZFs) in real and complex domains. It then provides theoretical analyses of such ZD models and illustrates their results. It also uses simulations to substantiate their efficacy and show the feasibility of the presented ZD approach (i.e., different ZFs leading to different ZD models), which is further applied to the repetitive motion planning (RMP) of redundant robots, showing its application potential.

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