

| | |
|-------------------------|--|
| 1. Record Nr. | UNINA9910822690603321 |
| Autore | Zhusubaliyev Zhanybai T |
| Titolo | Bifurcations and chaos in piecewise-smooth dynamical systems // Zhanybai T. Zhusubaliyev, Erik Mosekilde |
| Pubbl/distr/stampa | River Edge, N.J., : World Scientific, c2003 |
| ISBN | 1-281-87682-8 9786611876821 981-256-443-8 |
| Edizione | [1st ed.] |
| Descrizione fisica | 1 online resource (377 p.) |
| Collana | World Scientific series on nonlinear science. Series A ; ; v. 44 |
| Altri autori (Persone) | MosekildeErik |
| Disciplina | 515/.392 |
| Soggetti | Bifurcation theory Chaotic behavior in systems Differentiable dynamical systems |
| 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 | PREFACE; CONTENTS; Chapter 1 ON THE DYNAMICS OF NONLINEAR SYSTEMS; Chapter 2 BASIC CONCEPTS AND METHODS; Chapter 3 RELAY CONTROL SYSTEMS; Chapter 4 BIFURCATIONS AND CHAOTIC OSCILLATIONS IN RELAY SYSTEMS; Chapter 5 CHAOTIC OSCILLATIONS IN PULSE-WIDTH MODULATED SYSTEMS; Chapter 6 BORDER-COLLISION BIFURCATIONS ON A TWO-DIMENSIONAL TORUS; Chapter 7 BORDER-COLLISION BIFURCATIONS IN A MANAGEMENT SYSTEM; INDEX |
| Sommario/riassunto | Technical problems often lead to differential equations with piecewise-smooth right-hand sides. Problems in mechanical engineering, for instance, violate the requirements of smoothness if they involve collisions, finite clearances, or stick-slip phenomena. |