1.
Record Nr.	UNINA990004339180403321
Autore	Borwicz, Michel
Titolo	L'insurrection du ghetto de Varsovie / presentee par Michel Borwicz
Pubbl/distr/stampa	s.l. : Julliard, c1966
Descrizione fisica	251 p. : <8> c.di tav. ; 18 cm
Collana	Collection archives ; 26
Disciplina	943.805
Locazione	FLFBC
Collocazione	943.8 BOR 1
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2.
Record Nr.	UNINA9910782119603321
Autore	IAkubovich V. A (Vladimir Andreevich)
Titolo	Stability of stationary sets in control systems with discontinuous nonlinearities [[electronic resource] /] / V.A. Yakubovich, G.A. Leonov, A. Kh. Gelig
Pubbl/distr/stampa	River Edge, NJ, : World Scientific, c2004
ISBN	1-281-93440-2
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	981-279-423-9
Descrizione fisica	1 online resource (352 p.)
Collana	Series on stability, vibration, and control of systems. Series A ; ; v. 14
Altri autori (Persone)	LeonovG. A (Gennadii Alekseevich)
	GeligArkadii Khaimovich
Disciplina	629.836
Soggetti	Control theory
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	Set theory
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	Differential equations, Nonlinear
	Engineering mathematics
	Engineering systems

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Nota di bibliografia	Includes bibliographical references (p. 323-332) and index.
Nota di contenuto	Contents ; Preface ; List of Notations ; 1. Foundations of Theory of Differential Equations with Discontinuous Right-Hand Sides ; 1.1 Notion of Solution to Differential Equation with Discontinuous Right-Hand Side 1.1.1 Difficulties encountered in the definition of a solution. Sliding modes 1.1.2 The concept of a solution of a system with discontinuous nonlinearities accepted in this book. Connection with the theory of differential equations with multiple-valued right-hand sides 1.1.3 Relation to some other definitions of a solution to a system with discontinuous right-hand side 1.1.4 Sliding modes. Extended nonlinearity. Example ; 1.2 Systems of Differential Equations with Multiple-Valued Right-Hand Sides (Differential Inclusions) 1.2.1 Concept of a solution of a system of differential equations with a multivalued right-hand side the local existence theorem the theorems on continuation of solutions and continuous dependence on initial values 1.2.2 ""Extended"" nonlinearities ; 1.2.3 Sliding modes 1.3 Dichotomy and Stability 1.3.1 Basic definitions ; 1.3.2 Lyapunov-type lemmas ; 2. Auxiliary Algebraic Statements on Solutions of Matrix Inequalities of a Special Type 2.1 Algebraic Problems that Occur when Finding Conditions for the Existence of Lyapunov Functions from Some Multiparameter Functional Class. Circle Criterion. Popov Criterion
Sommario/riassunto	This book presents a development of the frequency-domain approach to the stability study of stationary sets of systems with discontinuous nonlinearities. The treatment is based on the theory of differential inclusions and the second Lyapunov method. Various versions of the Kalman-Yakubovich lemma on solvability of matrix inequalities are presented and discussed in detail. It is shown how the tools developed can be applied to stability investigations of relay control systems, gyroscopic systems, mechanical systems with a Coulomb friction, nonlinear electrical circuits, cellular neural networks