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Autore	Kunze Markus
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Collana	Lecture Notes in Mathematics, , 1617-9692 ; ; 1744
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Soggetti	Differential equations Differential Equations
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Some general theory of differential inclusions -- Bounded, unbounded, periodic, and almost periodic solutions -- Lyapunov exponents for non-smooth dynamical systems -- On the application of Conley index theory to non-smooth dynamical systems -- On the application of KAM theory to non-smooth dynamical systems -- Planar non-smooth dynamical systems -- Melnikov's method for non-smooth dynamical systems -- Further topics and notes.
Sommario/riassunto	The book provides a self-contained introduction to the mathematical theory of non-smooth dynamical problems, as they frequently arise from mechanical systems with friction and/or impacts. It is aimed at applied mathematicians, engineers, and applied scientists in general who wish to learn the subject.