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Titolo	Rigidity in higher rank Abelian group actions . Volume 1 Introduction and cocycle problem // Anatole Katok, Viorel Nitica [[electronic resource]]
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Descrizione fisica	1 online resource (vi, 313 pages) : digital, PDF file(s)
Collana	Cambridge tracts in mathematics ; ; 185
Disciplina	512/.25
Soggetti	Rigidity (Geometry) Abelian groups
Lingua di pubblicazione	Inglese
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Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Preliminaries from dynamics and analysis -- pt. 2. Cocycles, cohomology, and rigidity.
Sommario/riassunto	This self-contained monograph presents rigidity theory for a large class of dynamical systems, differentiable higher rank hyperbolic and partially hyperbolic actions. This first volume describes the subject in detail and develops the principal methods presently used in various aspects of the rigidity theory. Part I serves as an exposition and preparation, including a large collection of examples that are difficult to find in the existing literature. Part II focuses on cocycle rigidity, which serves as a model for rigidity phenomena as well as a useful tool for studying them. The book is an ideal reference for applied mathematicians and scientists working in dynamical systems and a

useful introduction for graduate students interested in entering the field. Its wealth of examples also makes it excellent supplementary reading for any introductory course in dynamical systems.
