

1. Record Nr.	UNINA9910973805803321
Autore	Piasecki Lukasz
Titolo	Classification of Lipschitz mappings / / Lukasz Piasecki
Pubbl/distr/stampa	Boca Raton, FL : , : CRC Press, , [2014] ©2014
ISBN	1-04-021209-3 0-429-16917-5 1-4665-9522-1
Edizione	[1st ed.]
Descrizione fisica	1 online resource (234 p.)
Collana	Pure and applied mathematics : a series of monographs and textbooks
Disciplina	234
Soggetti	Mappings (Mathematics) Topology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"A Chapman & Hall book."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cover; Series; Dedication; Contents; Introduction; Chapter 1: The Lipschitz Condition; Chapter 2: Basic Facts on Banach Spaces; Chapter 3: Mean Lipschitz Condition; Chapter 4: On the Lipschitz Constants for Iterates of Mean Lipschitzian Mappings; Chapter 5: Subclasses Determined by p-averages; Chapter 6: Mean Contractions; Chapter 7: Nonexpansive Mappings in Banach Space; Chapter 8: Mean Nonexpansive Mappings; Chapter 9: Mean Lipschitzian Mappings with $k > 1$; Bibliography; Back Cover
Sommario/riassunto	Classification of Lipschitz Mappings presents a systematic, self-contained treatment of a new classification of Lipschitz mappings and its application in many topics of metric fixed point theory. Suitable for readers interested in metric fixed point theory, differential equations, and dynamical systems, the book only requires a basic background in functional analysis and topology. The author focuses on a more precise classification of Lipschitzian mappings. The mean Lipschitz condition introduced by Goebel, Japon Pineda, and Sims is relatively easy to check an