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Titolo	Harmonic Quasiconformal Mappings and Hyperbolic Type Metrics [[electronic resource] /] / by Vesna Todorevi
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ISBN	3-030-22591-7
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (xvii, 163 pages)
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Soggetti	Functions of complex variables Potential theory (Mathematics) Functions of a Complex Variable Potential Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Quasiconformal and quasiregular harmonic mappings -- Hyperbolic type metrics -- Distance Ratio Metric -- Bi-Lipschitz property of HQC mappings -- Quasi-nearly subharmonic functions and QC mappings -- Possible research directions. .
Sommario/riassunto	The book presents a research area in geometric function theory concerned with harmonic quasiconformal mappings and hyperbolic type metrics defined on planar and multidimensional domains. The classes of quasiconformal and quasiregular mappings are well established areas of study in this field as these classes are natural and fruitful generalizations of the class of analytic functions in the planar case. The book contains many concrete examples, as well as detailed proofs and explanations of motivations behind given results, gradually bringing the reader to the forefront of current research in the area. This monograph was written for a wide readership from graduate students of mathematical analysis to researchers working in this or related areas of mathematics who want to learn the tools or work on open problems listed in various parts of the book.