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Titolo	Mappings with Direct and Inverse Poletsky Inequalities / / by Evgeny Sevost'yanov
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Descrizione fisica	1 online resource (437 pages)
Collana	Developments in Mathematics, , 2197-795X ; ; 78
Disciplina	515.9
Soggetti	Functions of complex variables Potential theory (Mathematics)
	Functions of a Complex Variable Potential Theory
	Funcions de variables complexes
	Teoria del potencial (Matemàtica)
	Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	General definitions and notation Boundary behavior of mappings with Poletsky inequality Removability of singularities of generalized quasiisometries Normal families of generalized quasiisometries On boundary behavior of mappings with Poletsky inequality in terms of prime ends Local and boundary behavior of mappings on Riemannian manifolds Local and boundary behavior of maps in metric spaces On Sokhotski-Casorati-Weierstrass theorem on metric spaces On boundary extension of mappings in metric spaces in the terms of prime ends On the openness and discreteness of mappings with the inverse Poletsky inequality Equicontinuity and isolated

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	Riemannian surfaces On the local and boundary behavior of mappings of factor spaces References Index.
Sommario/riassunto	The monograph is devoted to the use of the moduli method in mapping theory, in particular, the meaning of direct and inverse modulus inequalities and their possible applications. The main goal is the development of a modulus technique in the Euclidean space and some metric spaces (manifolds, surfaces, quotient spaces, etc.). Particular attention is paid to the local and boundary behavior of mappings, as well as to obtaining modulus inequalities for some classes. The reader is invited to familiarize himself with all the main achievements of the author, synthesized in this book. The results presented here are of a high scientific level, are new and have no analogues in the world with such a degree of generality.