1.	Record Nr.	UNISA996466657903316
	Autore	Kresin Gershon
	Titolo	Sharp real-part theorems : a unified approach / / Gershon Kresin, Vladimir Maz'ya ; translated from Russian and edited by T. Shaposhnikova
	Pubbl/distr/stampa	Berlin ; ; Heidelberg : , : Springer-Verlag, , 2007
	ISBN	1-280-80493-9
		9786610804931
		3-540-69574-5
	Edizione	[1st ed. 2007.]
	Descrizione fisica	1 online resource (152 p.)
	Collana	Lecture Notes in Mathematics ; ; Volume 1903
	Disciplina	515.9
	Soggetti	Analytic functions
		Approximation theory
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references (p. 129-133) and index.
	Nota di contenuto	Estimates for analytic functions bounded with respect to their real part -- Estimates for analytic functions with respect to the Lp-norm of R?f on the circle -- Estimates for analytic functions by the best Lp-approximation of Rf on the circle -- Estimates for directional derivatives of harmonic functions -- Estimates for derivatives of analytic functions -- Bohr's type real part estimates -- Estimates for the increment of derivatives of analytic functions.
	Sommario/riassunto	This volume contains a coherent point of view on various sharp pointwise inequalities for analytic functions in a disk in terms of the real part of the function on the boundary circle or in the disk itself. Inequalities of this type are frequently used in the theory of entire functions and in the analytic number theory. Rich opportunities are anticipated to extend these inequalities to analytic functions of several complex variables and solutions of partial differential equations.