

1.	Record Nr.	UNINA990009309560403321
	Autore	Ross, Alf
	Titolo	Constitution of the United Nations : analysis of structure and function / by Alf Ross
	Pubbl/distr/stampa	Kobenhavn : Munksgaard, 1950
	Descrizione fisica	236 p. ; 23 cm
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	Locazione	FGBC
	Collocazione	X F 104
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	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910595037603321
	Autore	Gentili Graziano
	Titolo	Regular Functions of a Quaternionic Variable // by Graziano Gentili, Caterina Stoppato, Daniele C. Struppa
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
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	Edizione	[2nd ed. 2022.]
	Descrizione fisica	1 online resource (302 pages)
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	Soggetti	Functions of complex variables Sequences (Mathematics) Functional analysis Functions of a Complex Variable Sequences, Series, Summability Functional Analysis
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction -- 1.Definitions and Basic Results -- 2.Regular Power Series -- 3.Zeros -- 4.Infinite Products -- 5.Singularities -- 6.Integral Representations -- 7.Maximum Modulus Theorem and Applications -- 8.Spherical Series and Differential -- 9.Fractional Transformations and the Unit Ball -- 10.Generalizations -- 11. Function Theory over Non-symmetric Slice Domains.-12. Applications -- Bibliography -- Index.
Sommario/riassunto	<p>This book surveys the foundations of the theory of slice regular functions over the quaternions, introduced in 2006, and gives an overview of its generalizations and applications. As in the case of other interesting quaternionic function theories, the original motivations were the richness of the theory of holomorphic functions of one complex variable and the fact that quaternions form the only associative real division algebra with a finite dimension <math>n &gt; 2</math>. (Slice) regular functions quickly showed particularly appealing features and developed into a full-fledged theory, while finding applications to outstanding problems from other areas of mathematics. For instance, this class of functions includes polynomials and power series. The nature of the zero sets of regular functions is particularly interesting and strictly linked to an articulate algebraic structure, which allows several types of series expansion and the study of singularities. Integral representation formulas enrich the theory and are fundamental to the construction of a noncommutative functional calculus. Regular functions have a particularly nice differential topology and are useful tools for the construction and classification of quaternionic orthogonal complex structures, where they compensate for the scarcity of conformal maps in dimension four. This second, expanded edition additionally covers a new branch of the theory: the study of regular functions whose domains are not axially symmetric. The volume is intended for graduate students and researchers in complex or hypercomplex analysis and geometry, function theory, and functional analysis in general. From the reviews of the 1st edition: "[The authors] document their own very recent theory of quaternionic regular functions, a development that parallels familiar complex function theory spectacularly well. This user-friendly primary source confirms that quaternionic calculus is not a dead end, and clearly answers a popular question regarding the analogy of complex function theory (complex analysis) with quaternionic variables, making it an excellent basis for a capstone course. Summing Up: Highly recommended. Upper-division undergraduates through professionals." (D. V. Feldman, Choice, Vol. 51 (1), September, 2013)".</p>