

1. Record Nr.	UNINA9910155445703321
Autore	Colombo Fabrizio
Titolo	Entire Slice Regular Functions // by Fabrizio Colombo, Irene Sabadini, Daniele C. Struppa
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-49265-9
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (V, 118 p.)
Collana	SpringerBriefs in Mathematics, , 2191-8201
Disciplina	515
Soggetti	Functions of complex variables Functions of a Complex Variable
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2.Slice Regular Functions: Algebra -- 3.Slice Regular Functions: Analysis -- 4.Slice Regular Infinite Products -- 5.Growth of Entire Slice Regular Functions -- 6.References -- Index.
Sommario/riassunto	This Briefs volume develops the theory of entire slice regular functions. It is the first self-contained, monographic work on the subject, offering all the necessary background information and detailed studies on several central topics, including estimates on the minimum modulus of regular functions, relations between Taylor coefficients and the growth of entire functions, density of their zeros, and the universality properties. The proofs presented here shed new light on the nature of the quaternionic setting and provide inspiration for further research directions. Also featuring an exhaustive reference list, the book offers a valuable resource for graduate students, postgraduate students and researchers in various areas of mathematical analysis, in particular hypercomplex analysis and approximation theory.