1. Record Nr. UNINA9910450446303321

Autore	Dong F. M. <1962->
Titolo	Chromatic polynomials and chromaticity of graphs [[electronic resource] /] / F.M. Dong, K.M. Koh and K.L. Teo
Pubbl/distr/stampa	New Jersey ; ; Hong Kong, : World Scientific Pub., 2005
ISBN	1-281-88109-0 9786611881092 981-256-946-4
Descrizione fisica	1 online resource (386 p.)
Altri autori (Persone)	KohK. M <1944-> (Khee Meng) TeoK. L
Disciplina	511/.56
Soggetti	Graph coloring Graph theory Polynomials Electronic books.
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. 327-352) and index.
Nota di contenuto	Preface; Contents; Basic Concepts in Graph Theory; Notation; Chapter 1 The Number of -Colourings and Its Enumerations; Chapter 2 Chromatic Polynomials; Chapter 3 Chromatic Equivalence of Graphs; Chapter 4 Chromaticity of Multi-Partite Graphs; Chapter 5 Chromaticity of Subdivisions of Graphs; Chapter 6 Graphs in Which any Two Colour Classes Induce a Tree (I); Chapter 7 Graphs in Which any Two Colour Classes Induce a Tree (II); Chapter 8 Graphs in Which All but One Pair of Colour Classes Induce Trees (I); Chapter 9 Graphs in Which All but One Pair of Colour Classes Induce Trees (II) Chapter 10 Chromaticity of Extremal 3-Colourable GraphsChapter 11 Polynomials Related to Chromatic Polynomials; Chapter 12 Real Roots of Chromatic Polynomials; Chapter 13 Integral Roots of Chromatic Polynomials; Chapter 14 Complex Roots of Chromatic Polynomials; Chapter 15 Inequalities on Chromatic Polynomials; Bibliography; Index
Sommario/riassunto	This is the first book to comprehensively cover chromatic polynomialsof graphs. It includes most of the known results and unsolved problemsin the area of chromatic polynomials. Dividing the

		book into threemain parts, the authors take readers from the rudiments of chromaticpolynomials to more complex topics: the chromatic equivalence classesof graphs and the zeros and inequalities of chromatic polynomials.
2.	Record Nr.	UNINA9910672436503321
	Autore	Li Yinqin
	Titolo	Real-Variable Theory of Hardy Spaces Associated with Generalized Herz Spaces of Rafeiro and Samko / / by Yinqin Li, Dachun Yang, Long Huang
	Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
	ISBN	981-19-6788-1
	Edizione	[1st ed. 2022.]
	Descrizione fisica	1 online resource (663 pages)
	Collana	Lecture Notes in Mathematics, , 1617-9692 ; ; 2320
	Disciplina	515.2433
	Soggetti	Functions of complex variables Fourier analysis Functional analysis Several Complex Variables and Analytic Spaces Fourier Analysis Functional Analysis
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di bibliografia	Includes bibliographical references and index.
	Nota di contenuto	1 Generalized Herz Spaces of Rafeiro and Samko -- 2 Block Spaces and Their Applications -- 3 Boundedness and Compactness Characterizations of Commutators on Generalized Herz Spaces -- 4 Generalized Herz–Hardy Spaces -- 5 Localized Generalized Herz–Hardy Spaces -- 6 Weak Generalized Herz–Hardy Spaces -- 7 Inhomogeneous Generalized Herz Spaces and Inhomogeneous Block Spaces -- 8 Hardy Spaces Associated with Inhomogeneous Generalized Herz Spaces.
	Sommario/riassunto	The real-variable theory of function spaces has always been at the core of harmonic analysis. In particular, the real-variable theory of the Hardy space is a fundamental tool of harmonic analysis, with applications and connections to complex analysis, partial differential equations, and

functional analysis. This book is devoted to exploring properties of generalized Herz spaces and establishing a complete real-variable theory of Hardy spaces associated with local and global generalized Herz spaces via a totally fresh perspective. This means that the authors view these generalized Herz spaces as special cases of ball quasi-Banach function spaces. In this book, the authors first give some basic properties of generalized Herz spaces and obtain the boundedness and the compactness characterizations of commutators on them. Then the authors introduce the associated Herz–Hardy spaces, localized Herz–Hardy spaces, and weak Herz–Hardy spaces, and develop a complete real-variable theory of these Herz–Hardy spaces, including their various maximal function, atomic, molecular as well as various Littlewood–Paley function characterizations. As applications, the authors establish the boundedness of some important operators arising from harmonic analysis on these Herz–Hardy spaces. Finally, the inhomogeneous Herz–Hardy spaces and their complete real-variable theory are also investigated. With the fresh perspective and the improved conclusions on the real-variable theory of Hardy spaces associated with ball quasi-Banach function spaces, all the obtained results of this book are new and their related exponents are sharp. This book will be appealing to researchers and graduate students who are interested in function spaces and their applications.