

1. Record Nr.	UNINA9910783724303321
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
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 Graphs Chapter 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 chromatic polynomials to more complex topics: the chromatic equivalence classes of graphs and the zeros and inequalities of chromatic polynomials.
