

1. Record Nr.	UNINA9910163128103321
Titolo	The enigma of the origin of Portolan charts : a geodetic analysis of the hypothesis of a medieval origin / / edited by Roel Nicolai
Pubbl/distr/stampa	Leiden ; ; Boston : , : Brill, , 2016
ISBN	90-04-28512-1
Descrizione fisica	1 online resource (570 pages) : illustrations (some color), maps, charts
Collana	History of science and medicine library ; ; v. 52
Altri autori (Persone)	NicolaiRoel
Disciplina	623.89/22
Soggetti	Nautical charts - History Navigation - History Cartography - History Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preliminary Material -- 1 Introduction -- 2 Key Characteristics of Portolan Charts -- 3 Existing Hypotheses on the Origin and Construction Method of Portolan Charts -- 4 Cartometric Analysis; Methodology and Existing Research -- 5 Cartometric Analysis of Five Charts -- 6 The Relationship between Portolans and Portolan Charts -- 7 Constraints on Shipping and Navigation in the Medieval Mediterranean -- 8 The Map Projection, Artificial or Intentional? -- 9 Navigational Practices in the Twelfth and Thirteenth Centuries -- 10 An Arabic-Islamic Origin of Portolan Charts? -- 11 Conclusions -- 12 Synthesis -- Appendix A: The Historical Setting of the Emergence of Portolan Charts -- Appendix B: Calculation of the Length of a Rhumb Line -- Appendix C: The Plane Charting Examples from Chapter 2 -- Appendix D: Accuracy Model for Medieval Navigation -- Appendix E: Cartometric Analysis Details -- Appendix F: Reliability of the cals7k.2 Archaeomagnetic Model -- Appendix G: Is the Map Projection Accidental? A Statistical Analysis -- Appendix H: The Preface of the Liber de existencia riveriarum -- Bibliography -- Index.
Sommario/riassunto	The sudden appearance of portolan charts, realistic nautical charts of the Mediterranean and Black Sea, at the end of the thirteenth century is one of the most significant occurrences in the history of cartography.

Using geodetic and statistical analysis techniques these charts are shown to be mosaics of partial charts that are considerably more accurate than has been assumed. Their accuracy exceeds medieval mapping capabilities. These sub-charts show a remarkably good agreement with the Mercator map projection. It is demonstrated that this map projection can only have been an intentional feature of the charts' construction. Through geodetic analysis the author eliminates the possibility that the charts are original products of a medieval Mediterranean nautical culture, which until now they have been widely believed to be.

2. Record Nr.	UNISA996466507003316
Autore	Kravanja Peter
Titolo	Computing the Zeros of Analytic Functions [[electronic resource] /] / by Peter Kravanja, Marc Van Barel
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2000
ISBN	3-540-46518-9
Edizione	[1st ed. 2000.]
Descrizione fisica	1 online resource (VIII, 112 p.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 1727
Classificazione	65H05 30C15 65E05
Disciplina	515
Soggetti	Functions of complex variables Numerical analysis Functions of a Complex Variable Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Zeros of analytic functions: Introduction -- Formal orthogonal polynomials -- An accurate algorithm to compute zeros of FOPs -- Numerical examples -- The software package ZEAL -- A derivative-free approach -- Clusters of zeros of analytic functions: How to obtain the centre of a cluster and its weight -- A numerical example -- Rational interpolation at roots of unity -- More numerical examples -- Zeros

and ples of meromorphic functions: Introduction -- Theoretical considerations and numerical algorithm -- A numerical example -- Systems of analytic equations: Introduction -- A multidimensional logarithmic residue formula -- The algorithm -- Numerical examples.

Sommario/riassunto

Computing all the zeros of an analytic function and their respective multiplicities, locating clusters of zeros and analytic fuctions, computing zeros and poles of meromorphic functions, and solving systems of analytic equations are problems in computational complex analysis that lead to a rich blend of mathematics and numerical analysis. This book treats these four problems in a unified way. It contains not only theoretical results (based on formal orthogonal polynomials or rational interpolation) but also numerical analysis and algorithmic aspects, implementation heuristics, and polished software (the package ZEAL) that is available via the CPC Program Library. Graduate students and researchers in numerical mathematics will find this book very readable.

3. Record Nr.

Titolo

UNICAMPANIAVAN00115039

New developments in statistical modeling, inference and application : selected papers from the 2014 ICSA/KISS joint applied statistics symposium in Portland, OR / Zhezhen Jin, Mengling Liu, Xiaolong Luo editors

Pubbl/distr/stampa

[Cham], : Springer, 2016

Titolo uniforme

New developments in statistical modeling, inference and application

Descrizione fisica

XIV, 214 p. : ill. ; 24 cm

Soggetti

00B25 - Proceedings of conferences of miscellaneous specific interest [MSC 2020]
62-XX - Statistics [MSC 2020]
62Fxx - Parametric inference [MSC 2020]
62Gxx - Nonparametric inference [MSC 2020]
62Pxx - Applications of statistics [MSC 2020]

Lingua di pubblicazione

Inglese

Formato

Materiale a stampa

Livello bibliografico

Monografia

