1. Record Nr. UNINA9910594100503321

Autore	Zuccarelli, Angelo
Titolo	Il problema capitali della "eugenica" / Angelo Zuccarrelli
Pubbl/distr/stampa	Ferrara, : Industria grafiche italiane, 1924
Descrizione fisica	8 p. ; 8°
Disciplina	320
Locazione	FGBC
Collocazione	Busta 27(6) 11
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910254983703321

Autore	Brewer Kevin
Titolo	Concise Guide to Computing Foundations : Core Concepts and Select Scientific Applications / / by Kevin Brewer, Cathy Bareiss
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
ISBN	3-319-29954-9
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XV, 191 p. 76 illus., 41 illus. in color.)
Disciplina	005.743
Soggetti	Computers Bioinformatics Computational biology Cheminformatics Computer science - Mathematics Geographic information systems Models and Principles Computer Appl. in Life Sciences Computer Applications in Chemistry Computational Mathematics and Numerical Analysis Geographical Information Systems/Cartography

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Computational Science -- Types of Visualization and Modeling -- Data Types: Representation, Abstraction, Limitations -- Scientific Data Acquisition -- Procedures: Algorithms and Abstraction -- Solving Equations -- Iterative Solutions -- Solving Sets of Equations -- Procedures: Performance and Complexity -- Self-Defining Data: Compression, XML and Databases -- Searching -- Curve Fitting -- Optimization -- Data Organization and Analysis -- Appendix A: NetLogo -- Appendix B: LabQuest -- Appendix C: GIS.
Sommario/riassunto	This unique textbook pioneers a new approach to educating the general student about computing to practically address the needs of today's society. This approach provides an accessible introduction to the key concepts in computer science and how these are applied to support other areas of science, highlighting the important interconnections between the different disciplines. Topics and features: Provides a strong interdisciplinary introduction to computational science Discusses such issues as the use of computer simulations, the limits of precision in a computer, and the amount of work performed by software to complete a task Covers the cross-disciplinary application of data representation, algorithms, self-defining data, and performance complexity Examines the close links between computer science and such scientific and engineering fields as bioinformatics, chemical kinetics, hydrogeological modeling, and mechanics of materials Describes the contributions of computer science to engineering analysis, GIS, flow analysis, solving equations, curve fitting, optimization, and data acquisition Contains review questions, exercises, and discussion prompts throughout the text, together with chapter objectives and an appendix on using LabQuest This classroom-tested and activity-based textbook has been developed for teaching second-semester freshmen and sophomore non-computer science STEM majors, structured around a discovery learning approach. The work is also ideal for self-teaching. Dr. Kevin Brewer is Co-Chair and Professor in the Department of Engineering in the Walker School of Engineering at Olivet Nazarene University, Bourbonnais, IL, USA. Dr. Cathy Bareiss is a Professor of Computer Science at the same institution.