

1. Record Nr.	UNINA9910971529803321
Autore	Nickerson Raymond S
Titolo	Mathematical reasoning : patterns, problems, conjectures, and proofs / / Raymond S. Nickerson
Pubbl/distr/stampa	New York, : Psychology Press, c2010
ISBN	1-136-94538-5 1-283-10585-3 9786613105851 1-136-94539-3 0-203-84802-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (597 p.)
Classificazione	SK 110
Disciplina	510.1/9
Soggetti	Mathematical analysis Reasoning Logic, Symbolic and mathematical Problem solving
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 and indexes.
Nota di contenuto	Cover; Mathematical Reasoning: Patterns, problems, conjectures, and proofs; Copyright; Contents; The Author; Preface; 1. What Is Mathematics?; 2. Counting; 3. Numbers; 4. Deduction and Abstraction; 5. Proofs; 6. Informal Reasoning in Mathematics; 7. Representation in Mathematics; 8. Infinity; 9. Infinitesimals; 10. Predilections, Presumptions, and Personalities; 11. Esthetics and the Joys of Mathematics; 12. The Usefulness of Mathematics; 13. Foundations and the "Stuff" of Mathematics; 14. Preschool Development of Numerical and Mathematical Skills; 15. Mathematics in School 16. Mathematical Problem Solving 17. Final Thoughts; References; Appendix: Notable (Deceased) Mathematicians, Logicians, Philosophers, and Scientists Mentioned in the Text; Author Index; Subject Index
Sommario/riassunto	"This book explores when and why the rudiments of mathematical capability first appeared among human beings, what its fundamental concepts are, and how and why it has grown into the richly branching complex of specialties that it is today. It discusses whether the 'truths'

of mathematics are discoveries or inventions and what prompts the emergence of concepts that appear to be descriptive of nothing in human experience. Also covered is the role of esthetics in mathematics: What exactly are mathematicians seeing when they describe a mathematical entity as "beautiful"? There is discussion of whether mathematical disability is distinguishable from a general cognitive deficit and whether the potential for mathematical reasoning is best developed through instruction." "This volume is unique in the vast range of psychological questions it covers, as revealed in the work habits and products of numerous mathematicians. It provides fascinating reading for researchers and students with an interest in cognition in general and mathematical cognition in particular. Instructors of mathematics will also find the book's insights illuminating."--BOOK JACKET.

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2. Record Nr.	UNINA9910437883303321
Autore	Yang Yuhang
Titolo	Proceedings of the 2nd International Conference on Green Communications and Networks 2012 (GCN 2012): Volume 4 // edited by Yuhang Yang, Maode Ma
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2013
ISBN	9781299335868 1299335861 9783642354403 3642354408
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (742 p.)
Collana	Lecture Notes in Electrical Engineering, , 1876-1119 ; ; 226
Altri autori (Persone)	MaMaode
Disciplina	621.382 621.3845
Soggetti	Telecommunication Renewable energy sources Environmental engineering Biotechnology Bioremediation Computer networks Communications Engineering, Networks Renewable Energy Environmental Engineering/Biotechnology Computer Communication Networks

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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 and index.
Nota di contenuto	Intelligent Control -- Efficient Management -- Optimal Design of Access Network Infrastructures -- Home Networks -- Terminal Equipment.
Sommario/riassunto	<p>The objective of the 2nd International Conference on Green Communications and Networks 2012 (GCN 2012) is to facilitate an exchange of information on best practices for the latest research advances in the area of communications, networks and intelligence applications. These mainly involve computer science and engineering, informatics, communications and control, electrical engineering, information computing, and business intelligence and management. Proceedings of the 2nd International Conference on Green Communications and Networks 2012 (GCN 2012) will focus on green information technology and applications, which will provide in-depth insights for engineers and scientists in academia, industry, and government. The book addresses the most innovative research developments including technical challenges, social and economic issues, and presents and discusses the authors' ideas, experiences, findings, and current projects on all aspects of advanced green information technology and applications. Yuhang Yang is a professor at the Department of Electronic Engineering, Shanghai Jiao Tong University. Maode Ma is an associate professor at the School of Electrical &amp; Electronic Engineering, Nanyang Technological University.</p>