1. Record Nr.   UNINA9910827218303321

   Autore   Schwartzman Steven

   Titolo   The words of mathematics : an etymological dictionary of mathematical terms used in English / / Steven Schwartzman [[electronic resource]]

   Pubbl/distr/stampa   Washington : , : Mathematical Association of America, , 1994

   ISBN   1-61444-501-X

   Descrizione fisica   1 online resource (vii, 261 pages) : digital, PDF file(s)

   Collana   Spectrum series

   Disciplina   510/.3

   Soggetti   Mathematics

   Lingua di pubblicazione   Inglese

   Formato   Materiale a stampa

   Livello bibliografico   Monografia

   Note generali   Title from publisher's bibliographic system (viewed on 02 Oct 2015).

   Nota di bibliografia   Includes bibliographical references (p. 257-261).

   Nota di contenuto   Explanation of terms an symbols -- An Etymological dictionary of mathematical terms -- ; Appendix : Mathematical entries that are etymologically related, grouped by roots.

   Sommario/riassunto   The Words of Mathematics explains the origins of over 1500 mathematical terms used in English. While other dictionaries of mathematics define technical terms, this book concentrates on where those terms came from and what their literal meanings are. The words included here range from simple to advanced.   This dictionary is easy to use. Although some of the entries are highly technical, the book explains them in plain English. The introduction gives an overview of how the ancient language known as Indo-European developed into Latin, Greek, French, and English, the languages from which most of our mathematical vocabulary has been derived. Another section discusses the many ways in which mathematicians have borrowed and created their specialized vocabulary over the centuries. A glossary explains historical and linguistic terms used throughout the book.

2.

Record Nr.	UNINA9910962448103321
Autore	Strevens Michael
Titolo	Bigger than chaos : understanding complexity through probability / / Michael Strevens
Pubbl/distr/stampa	Cambridge, MA, : Harvard University Press, 2003
ISBN	9780674044067 0674044061
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xii, 413 p.) : ill
Classificazione	CC 3700
Disciplina	003
Soggetti	Probabilities Statistical physics
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 (p. 397-401) and index.
Nota di contenuto	Note to the Reader 1. The Simple Behavior of Complex Systems 1.1 Simplicity in Complex Systems 1.2 Enion Probability Analysis 1.3 Towards an Understanding of Enion Probabilities 2. The Physics of Complex Probability 2.1 Complex Probability Quantified 2.2 Microconstant Probability 2.3 The Interpretation of IC-Variable Distributions 2.4 Probabilistic Networks 2.5 Standard IC-Variables 2.6 Complex Probability and Probabilistic Laws 2.7 Effective and Critical IC-Values 2.A The Method of Arbitrary Functions 2.B More on the Tossed Coin 2.C Proofs 3. The Independence of Complex Probabilities 3.1 Stochastic Independence and Selection Rules 3.2 Probabilities of Composite Events 3.3 Causal Independence 3.4 Microconstancy and Independence 3.5 The Probabilistic Patterns Explained 3.6 Causally Coupled Experiments 3.7 Chains of Linked IC-Values 3.A Conditional Probability 3.B Proofs 4. The Simple Behavior of Complex Systems Explained 4.1 Representing Complex Systems 4.2 Enion Probabilities and Their Experiments 4.3 The Structure of Microdynamics 4.4 Microconstancy and Independence of Enion Probabilities 4.5 Independence of Microdynamic Probabilities 4.6 Aggregation of Enion Probabilities 4.7 Grand Conditions for Simple Macrolevel Behavior 4.8 Statistical Physics 4.9 Population Ecology 5. Implications for the Philosophy of the Higher-Level Sciences 5.1 Reduction 5.2 Higher-Level Laws 5.3 Causal Relevance 5.4 The Social Sciences 5.5 The Mathematics

Sommario/riassunto	Michael Strevens shows how simplicity can co-exist with the tangled interconnections within complex systems. By looking at the foundations of statistical reasoning about complex systems (gases, ecosystems and even social systems) he provides an understanding of how simplicity emerges from complexity.