1. Record Nr. UNISA996466108003316

Titolo	Computation and Logic in the Real World [[electronic resource]] : Third Conference on Computability in Europe, CiE 2007, Siena, Italy, June 18-23, 2007, Proceedings / / edited by Barry S. Cooper, Benedikt Löwe, Andrea Sorbi
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2007
ISBN	3-540-73001-X
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (XVIII, 826 p.)
Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4497
Disciplina	511.352
Soggetti	Computer science Algorithms Computer science—Mathematics Artificial intelligence Bioinformatics Theory of Computation Mathematics of Computing Artificial Intelligence
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	Shifting and Lifting of Cellular Automata -- Learning as Data Compression -- Reachability Problems: An Update -- RZ: A Tool for Bringing Constructive and Computable Mathematics Closer to Programming Practice -- Producer/Consumer in Membrane Systems and Petri Nets -- A Minimal Pair in the Quotient Structure M/NCup -- Constructive Dimension and Weak Truth-Table Degrees -- A Classification of Viruses Through Recursion Theorems -- Borel Complexity of Topological Operations on Computable Metric Spaces -- Colocatedness and Lebesgue Integrability -- Computing with Genetic Gates -- Resource Restricted Computability Theoretic Learning: Illustrative Topics and Problems -- Characterizing Programming Systems Allowing Program Self-reference -- K-Trivial Closed Sets and Continuous Functions -- Pseudojump Operators and Classes -- Sofic

Trace Subshift of a Cellular Automaton -- Thin Maximal Antichains in the Turing Degrees -- Effective Computation for Nonlinear Systems -- On Rules and Parameter Free Systems in Bounded Arithmetic -- The New Promise of Analog Computation -- Comparing C.E. Sets Based on Their Settling Times -- Time-Complexity Semantics for Feasible Affine Recursions -- Algebraic Model of an Arithmetic Unit for TTE-Computable Normalized Rational Numbers -- Feasible Depth -- Abstract Geometrical Computation and the Linear Blum, Shub and Smale Model -- A Continuous Derivative for Real-Valued Functions -- Refocusing Generalised Normalisation -- The Complexity Ecology of Parameters: An Illustration Using Bounded Max Leaf Number -- Parameterized Complexity and Logic -- Index Sets of Computable Structures with Decidable Theories -- Minimal Representations for Majority Games -- Linear Transformations in Boolean Complexity Theory -- Exact Pair Theorem for the ?-Enumeration Degrees -- Operational Semantics for Positive Relevant Logics Without Distribution -- Multi-valued Logics, Effectiveness and Domains -- Internal Computability -- Post's Problem for Ordinal Register Machines -- Unique Existence and Computability in Constructive Reverse Mathematics -- Input-Dependence in Function-Learning -- Some Notes on Degree Spectra of the Structures -- Confluence of Cut-Elimination Procedures for the Intuitionistic Sequent Calculus -- The Polynomial and Linear Hierarchies in V0 -- The Uniformity Principle for ?-Definability with Applications to Computable Analysis -- Circuit Complexity of Regular Languages -- Definability in the Homomorphic Quasiorder of Finite Labeled Forests -- Physics and Computation: The Status of Landauer's Principle -- Strict Self-assembly of Discrete Sierpinski Triangles -- Binary Trees and (Maximal) Order Types -- A Weakly 2-Random Set That Is Not Generalized Low -- Speed-Up Theorems in Type-2 Computation -- The Complexity of Quickly ORM-Decidable Sets -- On Accepting Networks of Splicing Processors of Size 3 -- Liquid Computing -- Quotients over Minimal Type Theory -- Hairpin Completion Versus Hairpin Reduction -- Hierarchies in Fragments of Monadic Strict NP -- Membrane Systems and Their Application to Systems Biology -- Some Aspects of a Complexity Theory for Continuous Time Systems -- Enumerations and Torsion Free Abelian Groups -- Locally Computable Structures -- Logic and Control -- Nash Stability in Additively Separable Hedonic Games Is NP-Hard -- Comparing Notions of Computational Entropy -- From Logic to Physics: How the Meaning of Computation Changed over Time -- Theories and Ordinals: Ordinal Analysis -- Computable Riemann Surfaces -- Rank Lower Bounds for the Sherali-Adams Operator -- Infinite Computations and a Hierarchy in ? 3 -- Natural Computing: A Natural and Timely Trend for Natural Sciences and Science of Computation -- Biochemical Reactions as Computations -- Doing Without Turing Machines: Constructivism and Formal Topology -- Problems as Solutions -- A Useful Undecidable Theory -- On the Computational Power of Flip-Flop Proteins on Membranes -- Computability and Incomputability -- A Jump Inversion Theorem for the Degree Spectra -- Cupping Enumeration Degrees to 0 e ? -- What Is the Lesson of Quantum Computing? -- Does the Cell Compute? -- Computational Complexity of Constraint Satisfaction -- Finding Most Likely Solutions -- Turing Unbound: Transfinite Computation -- Computability in Amorphous Structures -- The Complexity of Small Universal Turing Machines -- Approximating Generalized Multicut on Trees -- (Short) Survey of Real Hypercomputation -- Characterizing Programming Systems Allowing Program Self-reference.

2. Record Nr. UNINA9910822513503321

Autore	Verschuuren G. M. N (Geert M. N.)
Titolo	Excel 2013 for scientists / / Dr. Gerard M. Verschuuren ; Shannon Mattiza, cover design
Pubbl/distr/stampa	Uniontown, Ohio : , : Holy Macro! Books, , 2014 ©2014
ISBN	1-61547-217-7
Edizione	[Revised & expanded third edition.]
Descrizione fisica	1 online resource (321 p.)
Collana	Excel for Professionals series
Disciplina	005.1
Soggetti	Computer software - Development Electronic spreadsheets
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Cover; Title page; Copyright page; Contents; About the Author; Introduction; Part 1: General Spreadsheet Techniques; Chapter 2: The Fill Handle; Chapter 3: Relative vs. Absolute Cell References; Chapter 4: Range Names; Chapter 5: Nested Functions; Part 1 Exercises; Part 2: Data Analysis; Chapter 7: Subtotals; Chapter 8: Summary Functions; Chapter 9: Unique Lists; Chapter 10: Data Validation; Chapter 11: Conditional Formatting; Chapter 12: Filtering Tools; Chapter 13: Lookups; Chapter 14: Working with Trends; Chapter 15: Fixing Numbers; Chapter 16: Copying Formulas Chapter 17: Multi-cell ArraysChapter 18: Single-cell Arrays; Chapter 19: Date Manipulation; Chapter 20: Time Manipulation; Part 2 Exercises; Part 3: Plotting Data; Chapter 22: A Chart's or Graph's Data Source; Chapter 23: Combining Chart Types; Chapter 24: Changing Graph Locations; Chapter 25: Templates and Defaults; Chapter 26: Axis Scales; Chapter 27: More Axes; Chapter 28: Error Bars; Chapter 29: More Bars; Chapter 30: Line Markers; Chapter 31: Interpolation; Chapter 32: Graph Formulas; Part 3 Exercises; Part 4: Regression and Curve Fitting; Chapter 34: Nonlinear Regression Chapter 35: Curve FittingChapter 36: Sigmoid Curves; Chapter 37: Predictability; Chapter 38: Correlation; Chapter 39: Multiple Regression: Linear Estimates; Chapter 40: Reiterations and Matrixes; Chapter 41: Solving Equations; Chapter 42: What-If Controls; Chapter 43: Syntax of

Functions; Chapter 44: Worksheet Functions; Part 4 Exercises; Part 5: Statistical Analysis; Chapter 46: Types of Distributions; Chapter 47: Simulating Distributions; Chapter 48: Sampling Techniques; Chapter 49: Test Conditions and Outliers; Chapter 50: Estimating Means; Chapter 51: Estimating Proportions
Chapter 52: Significant MeansChapter 53: Significant Proportions; Chapter 54: Significant Frequencies; Chapter 55: More on Chi-Squared Testing and Box-Cox Power; Chapter 56: Analysis of Variance; Part 5 Exercises; Index

Sommario/riassunto

With examples from the world of science, this reference teaches scientists how to create graphs, analyze statistics and regressions, and plot and organize scientific data. Scientists can learn the tips and techniques of Excel-and tailor them specifically to their experiments, designs, and research. They will learn when to use NORMDIST vs NORMSDist and CONFIDENCE vs Z, how to keep data-validation lists on a hidden worksheet, use pivot tables to chart frequency distribution, generate random samples with various characteristics, and much more. Ideal for students and professionals alike, this hand