1. Record Nr. UNINA990000652990403321

Autore	Steinitz, Carl
Titolo	A systems analysis model of urbanization and change : an experiment in interdisciplinary education / Carl Steinitz, Peter Rogers
Pubbl/distr/stampa	Cambridge (Mass.) : The MIT press, copyr.1970
Descrizione fisica	78 p. : ill., 28 cm
Collana	MIT Report ; 20
Locazione	DINST DINTR
Collocazione	01 GB 6006 R1/138
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910480591203321

Titolo	Fractal geometry and dynamical systems in pure and applied mathematics I : fractals in pure mathematics / / David Carfi [and three others], editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2013 ©2013
ISBN	1-4704-1082-6
Descrizione fisica	1 online resource (410 p.)
Collana	Contemporary Mathematics, , 1098-3627 ; ; Volume 600
Disciplina	514/.742
Soggetti	Fractals Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"PISRS 2011, First International Conference : Analysis, Fractal Geometry, Dynamical Systems and Economics, November 8-12, 2011, Messina, Sicily, Italy." "AMS Special Session, in memory of Benoit Mandelbrot : Fractal Geometry in Pure and Applied Mathematics, January 4-7, 2012, Boston, Massachusetts." "AMS Special Session : Geometry and Analysis on Fractal Spaces, March 3-4, 2012, Honolulu, Hawaii."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Preface""; ""Separation Conditions for Iterated Function Systems with Overlaps""; ""1. Introduction""; ""2. Preliminaries""; ""3. The finite type condition""; ""4. More on the finite type condition""; ""5. Generalized finite type condition""; ""6. Weak separation condition""; ""References""; "" -point Configurations of Discrete Self-Similar Sets""; ""1. Introduction""; ""2. Lower bounds for -point configurations of compatible fractals""; ""3. Determinant fractal zeta functions""; ""References"" ""Fractal Complex Dimensions, Riemann Hypothesis and Invertibility of the Spectral Operator""""1. Introduction""; ""2. Generalized Fractal Strings and Their Complex Dimensions""; ""2.1. The geometry and spectra of ordinary fractal strings.""; ""2.2. Generalized fractal strings and their explicit formulas.""; ""3. The Spectral Operator _{ } and the Infinitesimal Shifts a??_{ }""; ""3.1. A a€?heuristica€? definition of _{

}.""; ""3.2. The weighted Hilbert space a??_{ }.""; ""3.3. The infinitesimal shifts a??_{ } and their properties.""; ""3.4. The spectral operator _{ }.""
""4. Inverse and Direct Spectral Problems for Fractal Strings""""4.1. The original inverse spectral problem.""; ""4.2. Fractal strings and the (modified) Weyla€?Berry conjecture.""; ""5. Quasi-Invertibility and Almost Invertibility of the Spectral Operator""; ""5.1. The truncated operators a??^{( )}_{ } and ^{( )}_{ }.""; ""5.2. The spectra of a??_{ }^{( )} and ^{( )}_{ }.""; ""5.3. Quasi-invertibility of _{ }, almost invertibility and Riemann zeroes.""; ""6. Spectral Reformulations of the Riemann Hypothesis and of Almost RH""
""6.1. Quasi-invertibility of _{ } and spectral reformulation of RH""""" 6.2. Almost invertibility of _{ } and spectral reformulation of a €œAlmost RHa€?.""; ""6.3. Invertibility of the spectral operator and phase transitions.""; ""7. Concluding Comments""; ""7.1. Extension to arithmetic zeta functions.""; ""7.2. Operator-valued Euler products.""; ""7.3. Global spectral operator.""; ""7.4. Towards a quantization of number theory.""; ""8. Appendix A:Riemanna€?s Explicit Formula""; ""9. Appendix B:The Momentum Operator and Normality of a??_{ }""; ""References""
""Analysis and Geometry of the Measurable Riemannian Structure on the SierpiA?ski Gasket""""1. Introduction""; ""2. SierpiA?ski gasket and its standard Dirichlet form""; ""3. Measurable Riemannian structure on the SierpiA?ski gasket""; ""4. Geometry under the measurable Riemannian structure""; ""5. Short time asymptotics of the heat kernels""; ""5.1. Intricsic metrics and off-diagonal Gaussian behavior""; ""5.2. One-dimensional asymptotics at vertices""; ""5.3. On-diagonal asymptotics at almost every point""; ""6. Ahlfors regularity and singularity of Hausdorff measure""
""7. Weyla€?s Laplacian eigenvalue asymptotics""