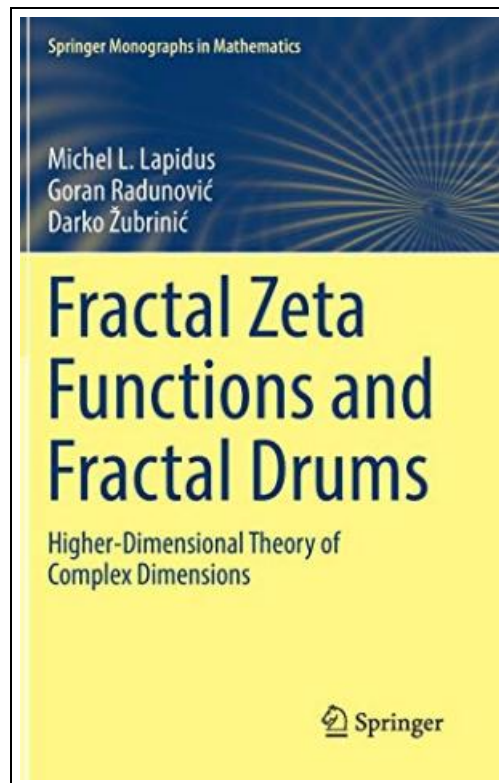


Fractal Zeta Functions and Fractal Drums: Higher-Dimensional Theory of Complex Dimensions (Hardback)



Filesize: 9.61 MB

Reviews

Excellent electronic book and helpful one. I could comprehend everything out of this published e book. I discovered this pdf from my i and dad suggested this book to discover.

(Dr. Daphnee Homenick II)

FRACTAL ZETA FUNCTIONS AND FRACTAL DRUMS: HIGHER-DIMENSIONAL THEORY OF COMPLEX DIMENSIONS (HARDBACK)

DOWNLOAD



To download **Fractal Zeta Functions and Fractal Drums: Higher-Dimensional Theory of Complex Dimensions (Hardback)** eBook, you should refer to the hyperlink under and save the file or gain access to other information which might be related to FRACTAL ZETA FUNCTIONS AND FRACTAL DRUMS: HIGHER-DIMENSIONAL THEORY OF COMPLEX DIMENSIONS (HARDBACK) book.

Springer International Publishing AG, Switzerland, 2017. Hardback. Condition: New. 1st ed. 2017. Language: English. Brand new Book. This monograph gives a state-of-the-art and accessible treatment of a new general higher-dimensional theory of complex dimensions, valid for arbitrary bounded subsets of Euclidean spaces, as well as for their natural generalization, relative fractal drums. It provides a significant extension of the existing theory of zeta functions for fractal strings to fractal sets and arbitrary bounded sets in Euclidean spaces of any dimension. Two new classes of fractal zeta functions are introduced, namely, the distance and tube zeta functions of bounded sets, and their key properties are investigated. The theory is developed step-by-step at a slow pace, and every step is well motivated by numerous examples, historical remarks and comments, relating the objects under investigation to other concepts. Special emphasis is placed on the study of complex dimensions of bounded sets and their connections with the notions of Minkowski content and Minkowski measurability, as well as on fractal tube formulas. It is shown for the first time that essential singularities of fractal zeta functions can naturally emerge for various classes of fractal sets and have a significant geometric effect. The theory developed in this book leads naturally to a new definition of fractality, expressed in terms of the existence of underlying geometric oscillations or, equivalently, in terms of the existence of nonreal complex dimensions. The connections to previous extensive work of the first author and his collaborators on geometric zeta functions of fractal strings are clearly explained. Many concepts are discussed for the first time, making the book a rich source of new thoughts and ideas to be developed further. The book contains a large number of open problems and describes many possible directions for further research. The beginning chapters may be used...



[Read Fractal Zeta Functions and Fractal Drums: Higher-Dimensional Theory of Complex Dimensions \(Hardback\) Online](#)



[Download PDF Fractal Zeta Functions and Fractal Drums: Higher-Dimensional Theory of Complex Dimensions \(Hardback\)](#)



[Download ePub Fractal Zeta Functions and Fractal Drums: Higher-Dimensional Theory of Complex Dimensions \(Hardback\)](#)

See Also



[PDF] How to Be a Man (Hardback)

Access the link listed below to download "How to Be a Man (Hardback)" file.

[Read Book](#)

»



[PDF] Supply Chain Engineering: Models and Applications (Paperback)

Access the link listed below to download "Supply Chain Engineering: Models and Applications (Paperback)" file.

[Read Book](#)

»



[PDF] T'Bugs (Paperback)

Access the link listed below to download "T'Bugs (Paperback)" file.

[Read Book](#)

»



[PDF] Elements in Flexible and Large-Area Electronics: Integration Techniques for Micro/Nanostructure-Based Large-Area Electronics (Paperback)

Access the link listed below to download "Elements in Flexible and Large-Area Electronics: Integration Techniques for Micro/Nanostructure-Based Large-Area Electronics (Paperback)" file.

[Read Book](#)

»



[PDF] The Marine Sniping Handbook - Remastered: Completely Overhauled, New & Improved - Full Size Edition - Master the Art of Long-Range Combat Shooting, from Beginner to Expert Sniper (McTp 3-01e / McWp 3-15.3)

Access the link listed below to download "The Marine Sniping Handbook - Remastered: Completely Overhauled, New & Improved - Full Size Edition - Master the Art of Long-Range Combat Shooting, from Beginner to Expert Sniper (McTp 3-01e / McWp 3-15.3)" file.

[Read Book](#)

»



[PDF] Meditation: For Beginners Anytime, Anywhere. How to Relieve Stress, Anxiety and Depression. A Quick Guide and Techniques to Return to a State of Inner Peace, Mindfulness and Happiness (Paperback)

Access the link listed below to download "Meditation: For Beginners Anytime, Anywhere. How to Relieve Stress, Anxiety and Depression. A Quick Guide and Techniques to Return to a State of Inner Peace, Mindfulness and Happiness (Paperback)" file.

[Read Book](#)

»



[PDF] The Description and Use of the New Invented Patent Universal Sowing Machine, for Broad-Casting and Drilling Every Kind of Grain, Pulse, and Seed, . by John Horn. (Paperback)

Access the hyperlink below to download and read "The Description and Use of the New Invented Patent Universal Sowing Machine, for Broad-Casting and Drilling Every Kind of Grain, Pulse, and Seed, . by John Horn. (Paperback)" PDF file.

[Read PDF](#)

»



[PDF] Minecraft Blockopedia: An Official Minecraft Book from Mojang (Hardback)

Access the hyperlink below to download and read "Minecraft Blockopedia: An Official Minecraft Book from Mojang (Hardback)" PDF file.

[Read PDF](#)

»



[PDF] Mastering the College Application Essay: The Art of Writing to Discover (Paperback)

Access the hyperlink below to download and read "Mastering the College Application Essay: The Art of Writing to Discover (Paperback)" PDF file.

[Read PDF](#)

»



[PDF] Square Foot Gardening: The Simple Secrets to Building an Amazing Square Foot Garden with Less Space, Low Stress, and Maximum Results (Paperback)

Access the hyperlink below to download and read "Square Foot Gardening: The Simple Secrets to Building an Amazing Square Foot Garden with Less Space, Low Stress, and Maximum Results (Paperback)" PDF file.

[Read PDF](#)

»



[PDF] Modern Portfolio Theory: Foundations, Analysis, and New Developments + Website (Hardback)

Access the hyperlink below to download and read "Modern Portfolio Theory: Foundations, Analysis, and New Developments + Website (Hardback)" PDF file.

[Read PDF](#)

»



[PDF] How to Survive a Zombie Attack (Hardback)

Access the hyperlink below to download and read "How to Survive a Zombie Attack (Hardback)" PDF file.

[Read PDF](#)

»