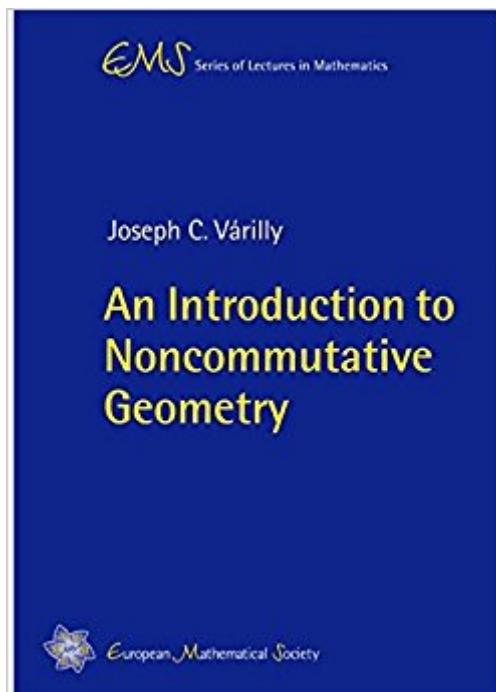**The book was found**

An Introduction To Noncommutative Geometry (EMS Series Of Lectures In Mathematics)

Synopsis

Noncommutative geometry, inspired by quantum physics, describes singular spaces by their noncommutative coordinate algebras and metric structures by Dirac-like operators. Such metric geometries are described mathematically by Connes' theory of spectral triples. These lectures, delivered at an EMS Summer School on noncommutative geometry and its applications, provide an overview of spectral triples based on examples. This introduction is aimed at graduate students of both mathematics and theoretical physics. It deals with Dirac operators on spin manifolds, noncommutative tori, Moyal quantization and tangent groupoids, action functionals, and isospectral deformations. The structural framework is the concept of a noncommutative spin geometry; the conditions on spectral triples which determine this concept are developed in detail. The emphasis throughout is on gaining understanding by computing the details of specific examples. The book provides a middle ground between a comprehensive text and a narrowly focused research monograph. It is intended for self-study, enabling the reader to gain access to the essentials of noncommutative geometry. New features since the original course are an expanded bibliography and a survey of more recent examples and applications of spectral triples. A publication of the European Mathematical Society (EMS). Distributed within the Americas by the American Mathematical Society.

Book Information

Paperback: 121 pages

Publisher: European Mathematical Society (June 15, 2006)

Language: English

ISBN-10: 3037190248

ISBN-13: 978-3037190241

Product Dimensions: 0.2 x 6.5 x 9.2 inches

Shipping Weight: 8.8 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #758,007 in Books (See Top 100 in Books) #94 inÃ Â Books > Science & Math > Mathematics > Geometry & Topology > Differential Geometry #129 inÃ Â Books > Science & Math > Mathematics > Geometry & Topology > Algebraic Geometry #452 inÃ Â Books > Textbooks > Science & Mathematics > Mathematics > Geometry

An Introduction to Noncommutative Geometry (EMS Series of Lectures in Mathematics) Ems

Medical Directors' Handbook: National Association of Ems Physicians Noncommutative Geometry Fractal Geometry and Dynamical Systems in Pure and Applied Mathematics I: Fractals in Pure Mathematics (Contemporary Mathematics) Lectures on Formal and Rigid Geometry (Lecture Notes in Mathematics) Lectures on Discrete Geometry (Graduate Texts in Mathematics) Modern Geometry Ã¢â ¬â ¢ Methods and Applications: Part I: The Geometry of Surfaces, Transformation Groups, and Fields (Graduate Texts in Mathematics) (Pt. 1) Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) Lectures on Antitrust Economics (Cairoli Lectures) Galois Theory: Lectures Delivered at the University of Notre Dame by Emil Artin (Notre Dame Mathematical Lectures, Number 2) The Feynman Lectures on Physics, Vol. II: The New Millennium Edition: Mainly Electromagnetism and Matter: Volume 2 (Feynman Lectures on Physics (Paperback)) The Feynman Lectures on Physics, Vol. II: The New Millennium Edition: Mainly Electromagnetism and Matter (Feynman Lectures on Physics (Paperback)) (Volume 2) Feynman Lectures Simplified 4A: Math for Physicists (EveryoneÃ¢â ¬â„¢s Guide to the Feynman Lectures on Physics Book 12) The Feynman Lectures on Physics, Vol. III: The New Millennium Edition: Quantum Mechanics: Volume 3 (Feynman Lectures on Physics (Paperback)) The Birth of Biopolitics: Lectures at the CollÃƒÂ¨ge de France, 1978--1979 (Lectures at the College de France) McDougal Littell CLE International: Lectures CLE faciles Level 2 Michel Strogoff (Lectures Cle En Francais Facile: Niveau 1) EMS Field Guide, ALS Version EMS Field Guide, BLS Version EMS And The Law EVOS: EMS Vehicle Operator Safety: Includes eBook with Interactive Tools