



Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher)

By Joseph C. Várilly, Héctor Figueroa, José M. Gracia-Bondía

Download now

Read Online 

Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Várilly, Héctor Figueroa, José M. Gracia-Bondía

Our purpose and main concern in writing this book is to illuminate classical concepts from the noncommutative viewpoint, to make the language and techniques of noncommutative geometry accessible and familiar to practitioners of classical mathematics, and to benefit physicists interested in the uses of noncommutative spaces. One may say that ours is a very "commutative" way to deal with noncommutative matters; this we readily admit.

Noncommutative geometry amounts to a program of unification of mathematics under the aegis of the quantum apparatus, i.e., the theory of operators and of C^* -algebras. Largely the creation of a single person, Alain Connes, noncommutative geometry is just coming of age as the new century opens. The bible of the subject is, and will remain, Connes' *Noncommutative Geometry* (1994), itself the "3.8-fold expansion" of the French *Geometry non commutative* (1990). These are extraordinary books, a "tapestry" of physics and mathematics, in the words of Vaughan Jones, and the work of a "poet of modern science," according to Daniel Kastler, replete with subtle knowledge and insights apt to inspire several generations.

 [Download Elements of Noncommutative Geometry \(Birkhäuser A ...pdf](#)

 [Read Online Elements of Noncommutative Geometry \(Birkhäuser ...pdf](#)

Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher)

By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia

Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia

Our purpose and main concern in writing this book is to illuminate classical concepts from the noncommutative viewpoint, to make the language and techniques of noncommutative geometry accessible and familiar to practitioners of classical mathematics, and to benefit physicists interested in the uses of noncommutative spaces. One may say that ours is a very "commutative" way to deal with noncommutative matters; this we readily admit. Noncommutative geometry amounts to a program of unification of mathematics under the aegis of the quantum apparatus, i.e., the theory of operators and of C^* -algebras. Largely the creation of a single person, Alain Connes, noncommutative geometry is just coming of age as the new century opens. The bible of the subject is, and will remain, Connes' Noncommutative Geometry (1994), itself the "3.8-fold expansion" of the French *Théorie non commutative* (1990). These are extraordinary books, a "tapestry" of physics and mathematics, in the words of Vaughan Jones, and the work of a "poet of modern science," according to Daniel Kastler, replete with subtle knowledge and insights apt to inspire several generations.

Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia **Bibliography**

- Sales Rank: #2812909 in Books
- Published on: 2000-10-23
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x 1.63" w x 6.14" l, 2.50 pounds
- Binding: Hardcover
- 686 pages

 [Download Elements of Noncommutative Geometry \(Birkhäuser A ...pdf](#)

 [Read Online Elements of Noncommutative Geometry \(Birkhäuser ...pdf](#)

Download and Read Free Online Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia

Editorial Review

Review

"In collecting the material in a coherent form, the authors have performed a valuable service and this book will no doubt open noncommutative geometry to a wider audience.... [A] large number of metaphorical and mathematical remarks embedded in the text...highlight the plethora of connections between the material of the book and other areas of mathematics."

?Mathematical Reviews

"The material is collected from an enormous number of sources.... All of it is carefully worked out and serves as a highly recommendable introduction to the vital field of noncommutative geometry."

?Zentralblatt Math

"The style of the book is lively, exempt of the stereotypes one encounters rather often in the mathematical literature. The authors know how to tell stories and enjoy doing it. The friendly tone could be of some help for an hypothetical unexperienced reader confronted with almost 700 pages of rather difficult and delicate mathematics."

?Journal of Operator Theory

"The present book is a systematic course in noncommutative differential geometry and operator theory, with applications to quantum physics. Its topics cover C^* -algebras, vector bundles and C^* -modules, K-theory, Fredholm operators, Clifford algebras, Spin representations, noncommutative integration and differential calculus, spectral triples and Connes spin manifold theorem. As applications, noncommutative tori, quantum theory and Kreimer-Connes-Moscovici algebras are discussed. The book will be helpful to all mathematicians and mathematical physicists who wish to learn about noncommutative geometry and its ramifications."

---Matheamtica Bohemica

Users Review

From reader reviews:

Flora Young:

Why don't make it to be your habit? Right now, try to ready your time to do the important take action, like looking for your favorite book and reading a reserve. Beside you can solve your long lasting problem; you can add your knowledge by the e-book entitled Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher). Try to make book Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) as your friend. It means that it can to get your friend when you truly feel alone and beside those of course make you smarter than previously. Yeah, it is very fortuned to suit your needs. The book makes you more confidence because you can know every little thing by the book. So , let us make new experience and also knowledge with this book.

Jack Alexandre:

The book Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) can give more knowledge and information about everything you want. So why must we leave the good thing like a book Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher)? Some of you have a different opinion about guide. But one aim this book can give many facts for us. It is absolutely proper. Right now, try to closer with your book. Knowledge or information that you take for that, you are able to give for each other; you could share all of these. Book Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) has simple shape however, you know: it has great and massive function for you. You can appear the enormous world by wide open and read a reserve. So it is very wonderful.

Jenifer Bell:

The knowledge that you get from Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) will be the more deep you searching the information that hide inside words the more you get considering reading it. It doesn't mean that this book is hard to comprehend but Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) giving you joy feeling of reading. The copy writer conveys their point in particular way that can be understood by anyone who read the idea because the author of this guide is well-known enough. That book also makes your personal vocabulary increase well. Therefore it is easy to understand then can go with you, both in printed or e-book style are available. We recommend you for having that Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) instantly.

Mary May:

Reading a publication can be one of a lot of activity that everyone in the world adores. Do you like reading book thus. There are a lot of reasons why people fantastic. First reading a guide will give you a lot of new details. When you read a publication you will get new information because book is one of various ways to share the information or perhaps their idea. Second, reading a book will make you more imaginative. When you studying a book especially hype book the author will bring that you imagine the story how the characters do it anything. Third, you could share your knowledge to other individuals. When you read this Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher), it is possible to tells your family, friends in addition to soon about yours guide. Your knowledge can inspire the mediocre, make them reading a guide.

Download and Read Online Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia #FD72NGLYT9V

Read Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia for online ebook

Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia books to read online.

Online Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia ebook PDF download

Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia Doc

Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia MobiPocket

Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia EPub

FD72NGLYT9V: Elements of Noncommutative Geometry (Birkhäuser Advanced Texts Basler Lehrbücher) By Joseph C. Varilly, Hector Figueroa, Jose M. Gracia-Bondia