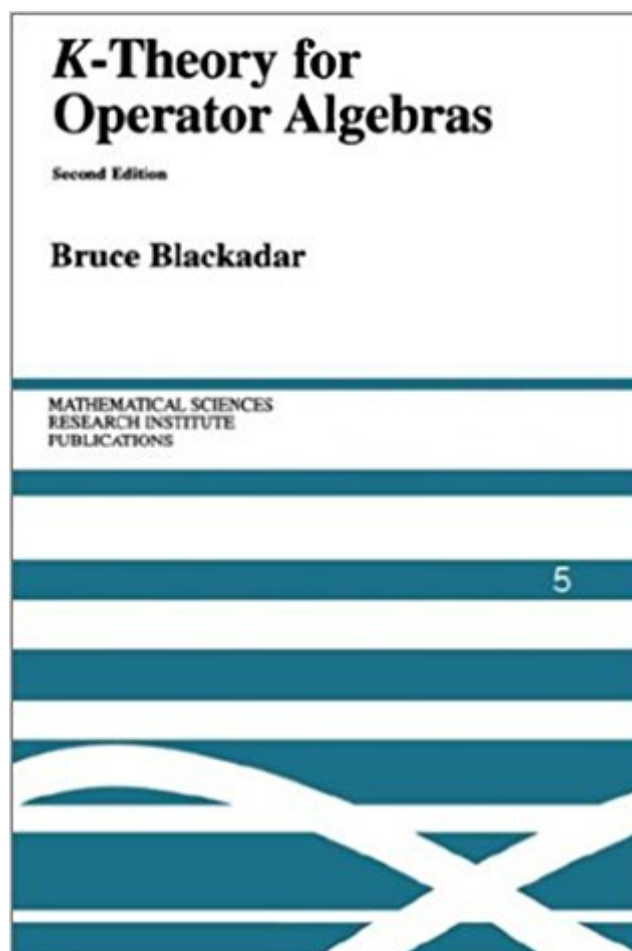


The book was found

K-Theory For Operator Algebras (Mathematical Sciences Research Institute Publications)



Synopsis

K-theory has helped convert the theory of operator algebras from a simple branch of functional analysis to a subject with broad applicability throughout mathematics, especially in geometry and topology, and many mathematicians of diverse backgrounds must learn the essential parts of the theory. This book is the only comprehensive treatment of K-theory for operator algebras, and is intended to help students, non-specialists, and specialists learn the subject. This first paperback printing has been revised and expanded and contains an updated reference list.

Book Information

Series: Mathematical Sciences Research Institute Publications (Book 5)

Paperback: 324 pages

Publisher: Cambridge University Press; Revised edition (September 13, 1998)

Language: English

ISBN-10: 0521635322

ISBN-13: 978-0521635325

Product Dimensions: 6 x 0.7 x 9 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ Â See all reviewsÂ (2 customer reviews)

Best Sellers Rank: #1,894,054 in Books (See Top 100 in Books) #283 inÂ Books > Science & Math > Mathematics > Geometry & Topology > Algebraic Geometry #430 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Functional Analysis #630 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Algebra > Linear

Customer Reviews

The books covers not only K-theory but also KK-theory that was introduced by G. G. Kasparov. The original article by Kasparov are very hard to read because of the generality of his approach. Furthermore the theory was much simplified by Skandalis et al. The second part of the book offers a very readable introduction to KK-theory. Now the new edition even contains a short exposition of E-theory. "Elements of KK-theory" by K. K. Jensen and K. Thomsen is good introduction too.

K-theory is a challenging subject; Kasparov's KK-theory even more so. But Bruce Blackadar's textbook manages to present both of these in a clear and coherent fashion, readable both by mathematicians and physicists. The ideal reader of this book will already be familiar with the basics of operator algebras and will have had some exposure to K-theory (perhaps through Wegge-Olsen's

remarkable book) and noncommutative geometry; but an extensive background is not needed. One especially good feature of this book is the wealth of examples it contains, especially those examples of most relevance to string theory. (Where K-theory is finding some of its most interesting applications today) A wide range of subjects such as "topological" K-theory (the K-theory of gauge fields) and supersymmetry (referred to as "grading," following mathematicians' notation) round out this presentation of one of the most exciting subjects on the border of mathematics and physics.

[Download to continue reading...](#)

K-Theory for Operator Algebras (Mathematical Sciences Research Institute Publications)
Introduction to Operator Space Theory (London Mathematical Society Lecture Note Series) The
Mathematical Olympiad Handbook: An Introduction to Problem Solving Based on the First 32 British
Mathematical Olympiads 1965-1996 (Oxford Science Publications) The Restoration of Engravings,
Drawings, Books, and Other Works on Paper (Getty Trust Publications: Getty Conservation
Institute) The Treaty of Versailles: A Reassessment after 75 Years (Publications of the German
Historical Institute) Spectroscopic Techniques in Biophysics (Veneto Institute of Sciences, Letters
and Arts Series, 4) Dopamine Receptor Sub-Types: From Basic Sciences to Clinical Applications
(Biomedical and Health Research, Vol. 19) (Biomedical and Health Research, V. 19) Transforming
Self and Others through Research: Transpersonal Research Methods and Skills for the Human
Sciences and Humanities (SUNY Series in Transpersonal and Humanistic Psychology) Geometries,
Groups and Algebras in the Nineteenth Century - A History Lie Groups, Lie Algebras, and
Representations: An Elementary Introduction Clifford (Geometric) Algebras With Applications in
Physics, Mathematics, and Engineering Lie Groups, Lie Algebras, and Representations: An
Elementary Introduction (Graduate Texts in Mathematics) Quaternions, Clifford Algebras and
Relativistic Physics Introduction to Nonassociative Algebras. Lie Algebras In Particle Physics: from
Isospin To Unified Theories (Frontiers in Physics) Lie Algebras in Particle Physics: From Isospin to
Unified Theories (Frontiers in Physics, Vol. 54) Shrubs of Ontario (Life Sciences Miscellaneous
Publications) TB 9-1310-251-10, OPERATOR'S MANUAL RANGE CLEARING PROCEDURES
FOR CARTRIDGE 40MM: TP, M918, 1995 OPERATOR'S MANUAL GRENADE LAUNCHER,
40-MM: M203, GRENADE LAUNCHER, 40-MM: M203A1, TM 9-1010-221-10 TM 9-1330-200-12,
OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL FOR GRENADES

[Dmca](#)