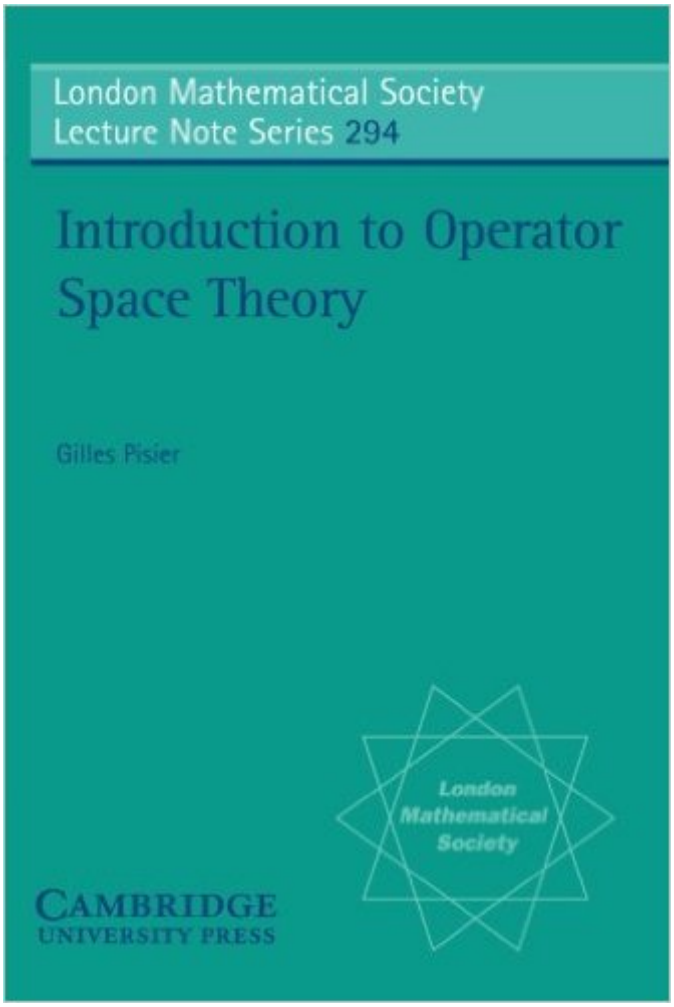
# Introduction To Operator Space Theory (London Mathematical Society Lecture Note Series)



## Synopsis

The first part of this book is an introduction with emphasis on examples that illustrate the theory of operator spaces. The second part is devoted to applications to C*-algebras, with a systematic exposition of tensor products of C* algebras. The third part of the book describes applications to non self-adjoint operator algebras and similarity problems. The author’s counterexample to the "Halmos problem" is presented, along with work on the new concept of "length" of an operator algebra.

## Book Information

Series: London Mathematical Society Lecture Note Series (Book 294)

Paperback: 488 pages

Publisher: Cambridge University Press; 1 edition (August 25, 2003)

Language: English

ISBN-10: 0521811651

ISBN-13: 978-0521811651

Product Dimensions: 6 x 1.1 x 9 inches

Shipping Weight: 1.8 pounds (View shipping rates and policies)

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## Customer Reviews

"A fine, long-term investment." Joseph Diestel, SIAM Review

The theory of operator spaces is very recent and can be described as a non-commutative Banach space theory. The first part of this book provides an introduction with emphasis on examples that illustrate the theory. The second part discusses applications to C*-algebras, with a systematic exposition of tensor products of C* algebras. The final part describes applications to non self-adjoint operator algebras, and similarity problems. Graduate students and professional mathematicians interested in functional analysis, operator algebras and theoretical physics will find that this book has much to offer.

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