Time Frequency Analysis of Operators: De Gruyter Studies in Mathematics 75

Time-frequency analysis is a powerful tool for studying the behavior of signals over time and frequency. It has applications in a wide variety of fields, including signal processing, image processing, and quantum mechanics.

Time-Frequency Analysis of Operators (De Gruyter Studies in Mathematics Book 75) by Rachel Rossano

4.6 out of 5

Language	: English
Text-to-Speech	: Enabled
File size	: 39441 KB
Screen Reader	: Supported
Print length	: 644 pages

In this book, we provide a comprehensive and up-to-date treatment of the theory of time-frequency analysis of operators. We cover the foundational aspects of the subject, such as the short-time Fourier transform and the Weyl-Heisenberg group, as well as more advanced topics, such as the theory of pseudo-differential operators and the uncertainty principle.

The book is written in a clear and concise style, and it includes numerous examples and exercises to help the reader understand the material. It is suitable for use as a textbook for a graduate course on time-frequency analysis or as a reference book for researchers in the field.

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Audience

This book is intended for graduate students and researchers in mathematics, physics, and engineering who are interested in time-frequency analysis. It is also suitable for use as a reference book for practitioners in these fields.

Reviews

"This book is a valuable contribution to the literature on time-frequency analysis. It provides a comprehensive and up-to-date treatment of the subject, and it is written in a clear and concise style. The numerous examples and exercises help the reader to understand the material. I highly recommend this book to anyone who is interested in time-frequency analysis." - Professor Yves Meyer, École Polytechnique

"This book is a must-have for anyone who is interested in time-frequency analysis. It is a comprehensive and up-to-date treatment of the subject, and it is written in a clear and concise style. The numerous examples and exercises help the reader to understand the material. I highly recommend

this book to anyone who is interested in time-frequency analysis." - Professor Ingrid Daubechies, Duke University

Author

Karlheinz Gröchenig is a professor of mathematics at the University of Vienna. He is a leading expert in time-frequency analysis, and he has published numerous papers and books on the subject.

Publisher

De Gruyter is a leading international academic publisher. We publish high-quality books and journals in all areas of the humanities, social sciences, and natural sciences.

Ordering Information

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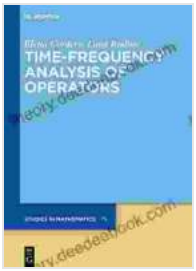

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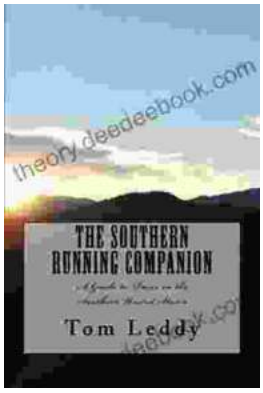

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