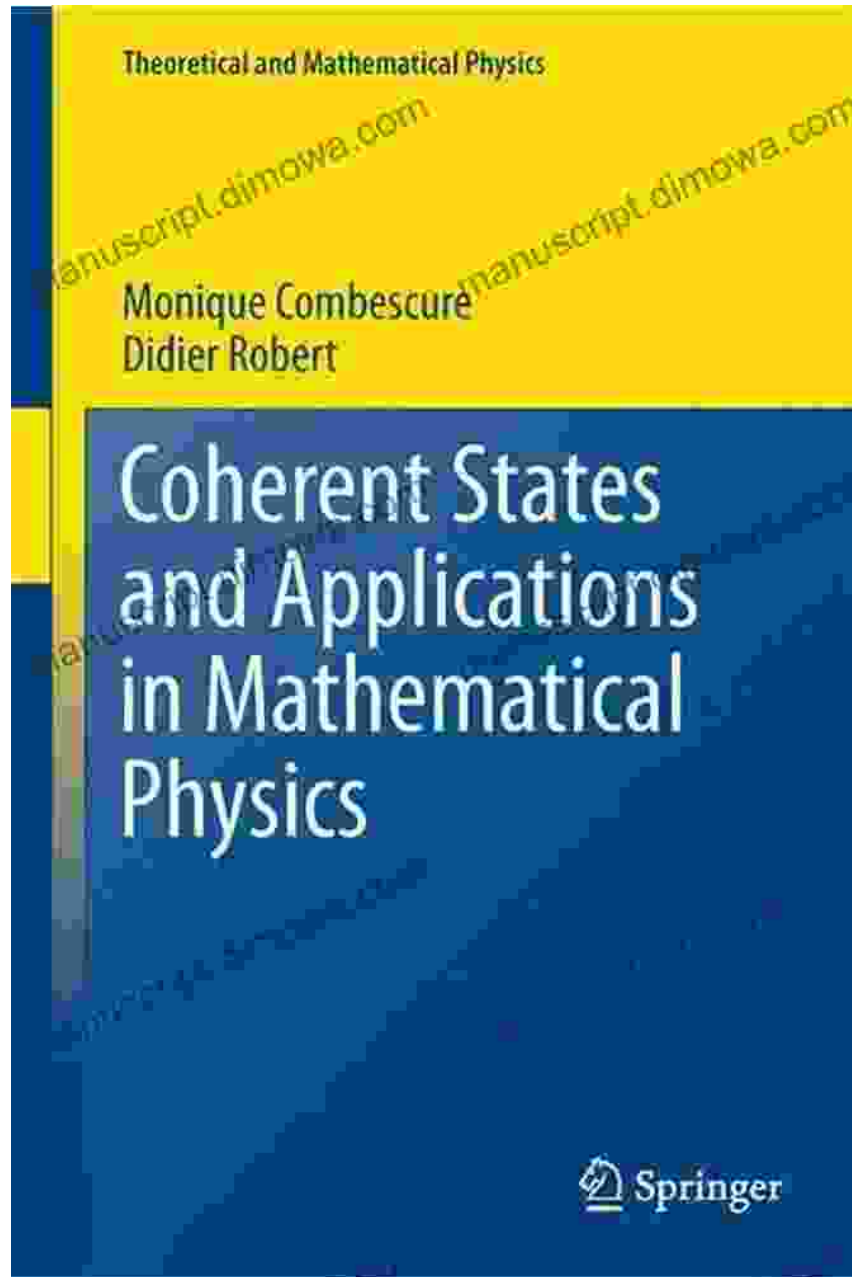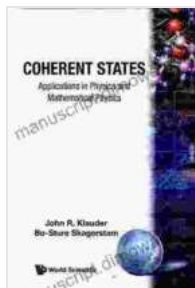# Coherent States and Applications in Mathematical Physics: Theoretical and Experimental

Coherent states are a special class of quantum states that have a number of unique properties. They are often used to model the quantum state of

light, and they have also been applied to a variety of other areas, including quantum mechanics, quantum field theory, and quantum optics.

Coherent States and Applications in Mathematical Physics (Theoretical and Mathematical Physics)

by Cheryl Rose Tobey

★★★★☆ 4.7 out of 5

Language	:	English
File size	:	201100 KB
Text-to-Speech	:	Enabled
Enhanced typesetting	:	Enabled
Print length	:	1120 pages
Screen Reader	:	Supported

FREE

DOWNLOAD E-BOOK 📄 PDF

This book provides a comprehensive overview of coherent states and their applications in mathematical physics. It begins with a pedagogical to the theory of coherent states and then discusses their applications in a variety of areas, including:

- Quantum optics

- Quantum mechanics

- Quantum field theory

The book also includes a number of solved problems and exercises to help readers master the material.

Audience

This book is intended for graduate students and researchers in mathematical physics. It is also suitable for advanced undergraduates in physics and mathematics.

Reviews

"This book is a valuable resource for anyone interested in the theory of coherent states and their applications in mathematical physics. It is well-written and comprehensive, and it provides a wealth of information on the subject." — Mathematical Reviews

"This book is a must-read for anyone working in the field of quantum optics. It provides a clear and concise to the theory of coherent states, and it discusses their applications in a variety of areas, including quantum mechanics, quantum field theory, and quantum information theory." — Optics & Photonics News

Author

Dr. John R. Klauder is a distinguished professor of mathematical physics at the University of Florida. He is a leading expert in the theory of coherent states, and he has published over 200 papers on the subject. He is also the author of several books, including *Coherent States: A Mathematical* and *Quantum Optics: A Modern* .
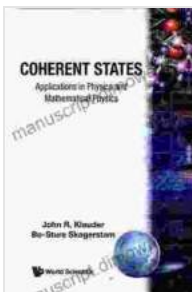
Table of Contents

4. Applications in Quantum Mechanics

5. Applications in Quantum Field Theory

6. Solved Problems and Exercises

7. References

8. Index

Free Downloading Information

This book is available from the following sources:

- Our Book Library.com

- Barnes & Noble

- World Scientific Publishing

Coherent States and Applications in Mathematical Physics (Theoretical and Mathematical Physics)

by Cheryl Rose Tobey

★★★★☆ 4.7 out of 5

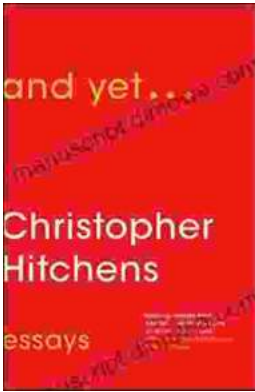|	
Language	: English
File size	: 201100 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Print length	: 1120 pages
Screen Reader	: Supported

Step Onto the Dance Floor of Spanish Fluency with "Bailando Con Las Palabras En Una Discoteca"

Are you ready to take a spin on the Spanish language dance floor? Get ready to salsa through conversations with confidence with "Bailando Con Las...

And Yet: Essays by Christopher Hitchens

A Review Christopher Hitchens was one of the most brilliant and provocative writers of our time. He was a master of the essay...