Título: Coherent States And Applications In Mathematical Physics

Autor: Combescure, Monique, Robert, Didier

Precio: $1629.11

Editorial:

Año: 2012

Tema:

Edición: 1ª

Sinopsis

ISBN: 9789400701953

Consistent survey of all aspects and usages of coherent states in semiclassical analysis, written by the leading experts in the field
Goes beyond existing books on coherent states in terms of a rigorous mathematical framework
Describes properties of coherent states together with their applications to quantum physics problems
Contains specific examples of coherent states (hydrogen atom, quantum oscillator, ...)
This book presents the various types of coherent states introduced and studied in the physics and mathematics literature and describes their properties together with application to quantum physics problems. It is intended to serve as a compendium on coherent states and their applications for physicists and mathematicians, stretching from the basic mathematical structures of generalized coherent states in the sense of Perelomov via the semiclassical evolution of coherent states to various specific examples of coherent states (hydrogen atom, quantum oscillator, ...).
Content Level » Research

Keywords » Coherent state harmonic oscillator - Coherent state hydrogen atom - Coherent state quantum physics - Coherent states - Coherent states decomposition - Generalized coherent state - Semiclassical Gutzwiller trace formula explained - Semiclassical evolution of coherent states - Semiclassical propagation coherent state - Weyl quantization

Related subjects » Applications - Quantum Physics - Theoretical, Mathematical & Computational Physics