



# Theoretical Kaleidoscope [

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Springer New York,  
2008

Physics Quantum theory Nuclear physics Physics Quantum Physics  
Physics, general Elementary Particles, Quantum Field Theory Theoretical,  
Mathematical and Computational Physics Nuclear Physics, Heavy Ions, Hadrons

Monografía

According to Newton, "In studies of science, examples are more useful than rules." With Theoretical Kaleidoscope, by Iosif Khriplovich, many concrete problems in classical mechanics, classical electrodynamics, quantum mechanics, and relativistic quantum mechanics are solved. This book is not a systematic course on theoretical physics. Rather, it uses intuitive, qualitative arguments to solve selected problems of this remarkable science. The book is based on lectures given by the author over many years. The main source of problems addressed in the book are taken from the author's own investigations, as well as discussions with colleagues and students. With this book, the author hopes readers will be able to see the examples and engage in thoughtful discussions and arguments of their own. Topics discussed in this book include: classical mechanics wave phenomena atomic physics semiclassical approximation in complex plane quantum electrodynamics Theoretical Kaleidoscope is intended for students and physicists, both theoretical and experimentalist, and those who will appreciate seeing theoretical physics through innovative qualitative analysis

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**Título:** Theoretical Kaleidoscope [Recurso electrónico] by I. B. Khriplovich

**Editorial:** New York, NY Springer New York 2008

**Descripción física:** digital

**Mención de serie:** Lecture Notes in Physics 0075-8450 747

**Documento fuente:** Springer eBooks

**Contenido:** Unexpected Questions in Classical Mechanics -- Classical Electrodynamics and Waves Without Calculations -- Atomic Physics Almost Without Calculations -- Semiclassical Approximation in Complex Plane -- Deuteron: Hydrogen Atom of Nuclear Physics -- Quantum Electrodynamics with Minimum Calculations

**Restricciones de acceso:** Acceso restringido a miembros del Consorcio de Bibliotecas Universitarias de Andalucía

**Detalles del sistema:** Modo de acceso: World Wide Web

**Fuente de adquisición directa:** Springer (Phys)

**ISBN:** 9780387752525 9780387752518 ed. impresa)

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