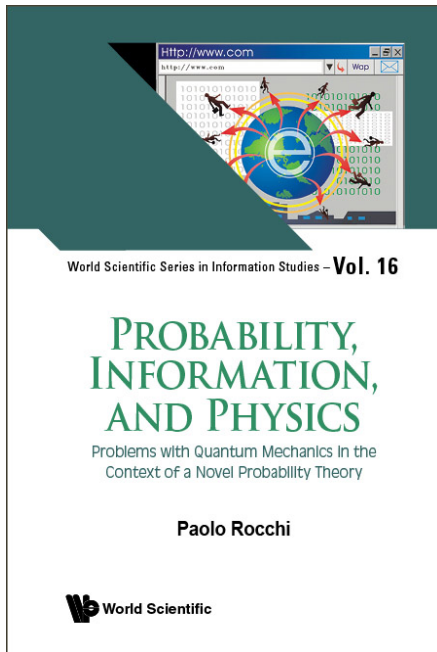


Probability, Information, and Physics

Problems with Quantum Mechanics in the Context of a Novel Probability Theory



By Paolo Rocchi
(*IBM, Italy & LUISS University, Italy*)

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ABOUT THE BOOK

This book deals with two main topics. The first is a theory that aims to unify the many interpretations of probability presented in the literature. The second uses this comprehensive theory of probability to answer the questions of quantum mechanics that have long been debated. The entire book proposes original solutions that several experimental cases substantiate.

READERSHIP

Experts and academicians involved with probability and statistics at the theoretical level and/or application level.

CONTENTS

- Formulas Easy to Use, Namely Substantially Knotty
- Dozens of Irreconcilable Probability Interpretations
- Textual Analysis of Influential Works
- Repercussions from the Missing Comprehensive Theory
- What Exactly Does the Probability Assess?
- Completing the Description of Events
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- Formal Continuity of Classical and Quantum Physics
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- Over Dozen Experiments Interpreted

ABOUT THE AUTHOR

Paolo Rocchi received his degree in physics from the University La Sapienza of Rome in 1969 and was associated to the same Institute of Physics as an assistant. Next year he joined IBM where he worked as researcher and teacher for nearly forty years. Upon retirement in 2010 has been recognized as an Emeritus Docent at IBM for his achievements in basic and applied research. Presently he is also an Adjunct Professor at Luiss University of Rome.

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