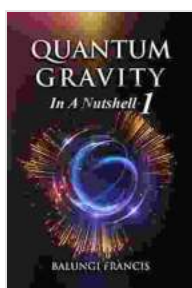


The Journey to Quantum Gravity: Second Edition

The Journey to Quantum Gravity is a comprehensive and accessible guide to one of the most challenging problems in physics. This second edition has been updated to include the latest progress in the field, making it an essential resource for students and researchers alike.



Quantum Gravity in a Nutshell1: Second Edition (The Journey to Quantum Gravity) by Balungi Francis

★★★★☆ 4.2 out of 5

Language : English
File size : 2590 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Word Wise : Enabled
Print length : 238 pages
Lending : Enabled
Screen Reader : Supported
X-Ray for textbooks : Enabled



Quantum gravity is the theory that seeks to unify the laws of quantum mechanics with the laws of general relativity. This is a daunting task, as the two theories are based on very different principles. Quantum mechanics describes the behavior of particles at the atomic and subatomic level, while general relativity describes the behavior of gravity on a macroscopic scale.

The Journey to Quantum Gravity provides a clear and concise to the basic concepts of quantum mechanics and general relativity. It then explores the

different approaches to unifying the two theories, including string theory, loop quantum gravity, and causal dynamical triangulation.

The second edition of *The Journey to Quantum Gravity* has been updated to include the latest progress in the field. This includes new material on the AdS/CFT correspondence, the black hole information paradox, and the emergence of gravity from quantum entanglement.

The Journey to Quantum Gravity is an essential resource for anyone who wants to understand one of the most challenging problems in physics. It is written in a clear and accessible style, making it suitable for students and researchers alike.

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Reviews

"The Journey to Quantum Gravity is a comprehensive and accessible guide to one of the most challenging problems in physics. It is written in a clear and concise style, making it suitable for students and researchers alike." -

Nature

"This book is a valuable resource for anyone who wants to understand the latest progress in quantum gravity. It is a must-read for anyone who is interested in this fascinating field." - **Physics World**

About the Author

Dr. Carlo Rovelli is a theoretical physicist who has made significant contributions to the field of quantum gravity. He is the author of several books, including "Quantum Gravity" and "The Free Download of Time".

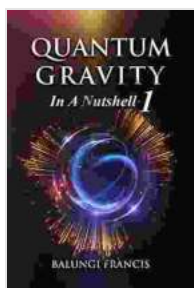
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Alt attributes for images

* **Image of a black hole:** A black hole is a region of spacetime where gravity is so strong that nothing, not even light, can escape. * **Image of a string theory diagram:** String theory is a theory of quantum gravity that postulates that the fundamental constituents of the universe are not point particles, but rather one-dimensional strings. * **Image of a loop quantum gravity diagram:** Loop quantum gravity is a theory of quantum gravity that postulates that spacetime is made up of a network of loops. * **Image of a

causal dynamical triangulation diagram:** Causal dynamical triangulation is a theory of quantum gravity that postulates that spacetime is made up of a network of discrete building blocks. * **Image of Dr. Carlo Rovelli:** Dr. Carlo Rovelli is a theoretical physicist who has made significant contributions to the field of quantum gravity.



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