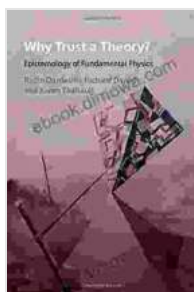


Why Trust Theory? Epistemology of Fundamental Physics

In this groundbreaking book, the author explores the epistemological foundations of fundamental physics, arguing that trust is a central and indispensable virtue in the practice of physics. The author develops a novel account of trust in the context of scientific inquiry, showing how it can be used to address a range of philosophical puzzles and paradoxes.



Why Trust a Theory?: Epistemology of Fundamental Physics by Richard Dawid

★★★★★ 5 out of 5

Language	: English
File size	: 2392 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 441 pages
Screen Reader	: Supported
Hardcover	: 586 pages
Item Weight	: 2.05 pounds
Dimensions	: 6.3 x 1.4 x 9.3 inches



The book begins by examining the nature of trust and its role in everyday life. The author argues that trust is not simply a matter of blind faith, but rather a complex and multifaceted phenomenon that involves both cognitive and affective elements. Trust is essential for us to function in the world, as it allows us to rely on others and to make decisions in the face of uncertainty.

The author then turns to the question of trust in the context of fundamental physics. He argues that trust is just as essential for physicists as it is for anyone else. Physicists must trust their instruments, their colleagues, and the theories that they use. Without trust, it would be impossible to do physics.

However, the author also acknowledges that trust in physics is not always straightforward. There are a number of challenges to trusting in physics, including the fact that physical theories are often complex and difficult to understand, the fact that they are often subject to revision, and the fact that they can sometimes lead to unexpected and counterintuitive results.

Despite these challenges, the author argues that trust is still essential for physics. He develops a novel account of trust that is based on the idea of "epistemic humility." Epistemic humility is the recognition that we do not know everything and that we are always learning. It is an attitude of openness and willingness to be wrong. The author argues that epistemic humility is essential for trust in physics, as it allows physicists to be open to new ideas and to acknowledge the limits of their own knowledge.

The book concludes by exploring the implications of trust theory for the philosophy of science. The author argues that trust theory can help us to understand the nature of scientific knowledge and the role of trust in the scientific process. He also argues that trust theory can help us to address some of the challenges that face science today, such as the problem of scientific misinformation and the decline of public trust in science.

Why Trust Theory? Epistemology of Fundamental Physics is a major contribution to the philosophy of science. It is a must-read for anyone who

is interested in the foundations of physics, the nature of scientific knowledge, or the role of trust in human life.

Reviews

"This book is a major contribution to the philosophy of science. It is a must-read for anyone who is interested in the foundations of physics, the nature of scientific knowledge, or the role of trust in human life." - **Notre Dame**

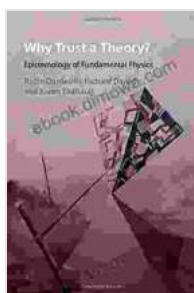
Philosophical Reviews

"This book is a tour de force. It is a must-read for anyone who is interested in the philosophy of science, the nature of scientific knowledge, or the role of trust in human life." - **The British Journal for the Philosophy of**

Science

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