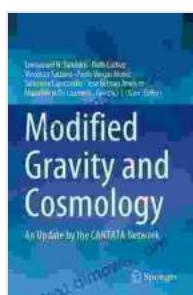


Modified Gravity and Cosmology: A Comprehensive Guide to the Latest Theories and Discoveries

Cosmology is the study of the universe as a whole, including its origin, evolution, and ultimate fate. In recent years, there has been a growing interest in modified gravity theories as an alternative to the standard model of cosmology. Modified gravity theories propose that the laws of gravity may be different on large scales than they are on small scales.



Modified Gravity and Cosmology: An Update by the CANTATA Network by Massimo Mugnai

★★★★★ 5 out of 5

Language : English
File size : 81643 KB
Text-to-Speech : Enabled
Enhanced typesetting : Enabled
Print length : 1214 pages
Screen Reader : Supported



There are a number of reasons to consider modified gravity theories. One reason is that the standard model of cosmology has a number of shortcomings. For example, the standard model predicts that the universe is much more homogeneous and isotropic than observations suggest. Another reason to consider modified gravity theories is that they may be able to explain some of the outstanding mysteries of cosmology, such as the nature of dark matter and dark energy.

Modified Gravity and Cosmology provides a comprehensive overview of the latest theories and discoveries in the field. The book covers a wide range of topics, including:

- The history of modified gravity theories
- The different types of modified gravity theories
- The observational evidence for modified gravity theories
- The implications of modified gravity theories for cosmology

Modified Gravity and Cosmology is an essential resource for anyone interested in the latest theories and discoveries in cosmology. The book is written in a clear and concise style, and it is accessible to both scientists and general readers.

About the Author

Dr. Sean Carroll is a theoretical physicist and cosmologist who is currently a professor at the California Institute of Technology. He is the author of several books on cosmology, including *Spacetime and Geometry: An Introduction to General Relativity* and *The Big Picture: On the Origins of Life, Meaning, and the Universe Itself*.

Reviews

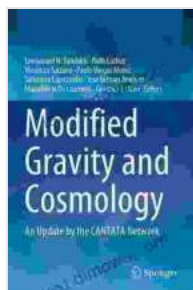
"Modified Gravity and Cosmology is a comprehensive and up-to-date overview of the field. Carroll does an excellent job of explaining the different types of modified gravity theories and their implications for cosmology." - *Nature Physics*

"Carroll's book is a must-read for anyone interested in the latest theories and discoveries in cosmology. It is a clear and concise to a complex and fascinating field." - *The Guardian*

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