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Are We There Yet ? The Search for a Theory of Everything

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About the eBook

The Holy Grail of fundamental physics research today is to find and describe a theory that explains, at least in principle, all physical phenomena. What happened exactly on, or even before, the Big Bang? Where are we coming from and where are we going? Questions that have never been addressed before by physicists. This book contains articles by leading physicists describing the current situation. Among them are proponents as well as opponents of string theory, and proponents of other ideas such as Loop quantum gravity, commutative geometry, and others.

Contents

- ▶ The Fire in the Equations
- ▶ String Theory and the Failure of Unification
- ▶ Can String Theory Survive Complete Falsification?
- ▶ String Theory in the Classroom. A Case Study
- ▶ Science Fiction of Everything
- ▶ A Vision of Quantum Gravity

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