

## String Theory And Fundamental Interactions Gabriele Veneziano And Theoretical Physics Historical And Contemporary Perspectives Lecture Notes In Physics

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String theory - Brian Greene

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Type I strings can go through five fundamental interactions, based on different ways of joining and splitting. The interactions are based on a string's ability to have ends join and split apart. Because the ends of open strings can join together to form closed strings, you can't construct a string theory without closed strings.

### The Basic Elements of String Theory - dummies

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### String Theory and Fundamental Interactions

String theory is a candidate for a unified theory of the four fundamental forces of nature: electromagnetism, the weak force, the strong force, and gravity.Particles in string theory are identified with particular patterns of vibration of a one-dimensional elementary object called a string.String theory is a quantum theory in that the mass spectrum of strings is discrete, so string theory is ...

### String Theory | Brilliant Math & Science Wiki

String theory, also known by names such as "superstring theory" and sometimes "M-theory", is an idea that has been around for a rather long time, over two decades. It is, at one and the same time, a logical continuation of established theoretical notions dating back

### The Theory of Strings: A Detailed Introduction: Sunil Mukhi

The theory, which will manage to unify all forces, including gravity, is sometimes called TOE, "theory of everything". String theory is one candidate, and at present actually the only one for this TOE. Fig.: Left: Point particle interaction, Right: Closed string interaction, note the smooth interaction surface.

### Fundamental Interactions - Institute of Theoretical Physics

In physics, the fundamental interactions, also known as fundamental forces, are the interactions that do not appear to be reducible to more basic interactions. There are four fundamental interactions known to exist: the gravitational and electromagnetic interactions, which produce significant long-range forces whose effects can be seen directly in everyday life, and the strong and weak interactions, which produce forces at minuscule, subatomic distances and govern nuclear interactions.

### Fundamental interaction - Wikipedia

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### An Introduction to String Theory

String theory is a set of attempts to model the four known fundamental interactions — gravitation, electromagnetism, strong nuclear force, weak nuclear force —together in one theory. This tries to resolve the alleged conflict between classical physics and quantum physics by elementary units —the one classical force: gravity, and a new quantum field theory of the other three fundamental forces.

### String theory - Simple English Wikipedia, the free ...

Type I strings can go through five fundamental interactions, based on different ways of joining and splitting. The interactions are based on a string's ability to have ends join and split apart. Because the ends of open strings can join together to form closed strings, you can't construct a string theory without closed strings.

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