

Twistor methods in General Relativity, part I

Monday, 24 July 2023 15:00 (45 minutes)

Twistor theory was originally proposed by Roger Penrose as a new geometric framework for physics that aims to unify general relativity and quantum mechanics. In the twistor approach, space-time is secondary with events being derived objects that correspond to compact holomorphic curves in a complex three-fold, the twistor space.

This mini course will provide an elementary introduction to twistor theory leading to applications of twistor methods to gravitational instantons.

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Session Classification: Twistor methods in General Relativity