

Nonperturbative minimal (super)string / matrix integral duality

Tuesday 4 June 2024 15:30 (30 minutes)

Worksheet methods for doing string perturbation theory around D-instantons often yield answers that contain undetermined constants which need to be fixed using external assumptions, like duality. In this talk I will explain the basic string field theory idea that allows us to overcome the fundamental obstacle with string perturbation theory around D-instantons. Our setting will be minimal (super) string theory and we will show that the string field theory procedure produces instanton contributions that match perfectly with the dual matrix integrals.

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