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Topological String and String effective couplings

Tuesday, 4 June 2019 09:00 (1 hour)

We will review the relation between Topological String Theory and the physical string couplings in the context of Type II string theories. Mapping the problem to physical string couplings allows one to study their dual heterotic theories that give rise to Schwinger like formulae for the singularity structures due to the appearance of massless BPS states. In this context we also discuss the refined topological string and present some new perspectives and open questions.

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