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Boundaries and Topological Twists of 3d N=4 SCFTs

Tuesday 21 September 2021 09:55 (20 minutes)

3d N=4 theories are of particular interest as they admit various types of twists (topological-holomorphic). A framework with interesting implications is the one of topologically twisted 3d N=4 theories with *holomorphic* boundaries/defects. The significance of these configurations relies on the fact that local boundary operators form special Vertex operator algebras, the study of which can shed light on the structure of the topological bulk theory. A central question is the compatibility of such holomorphic boundary conditions with the bulk topological twist. In this talk I will discuss about certain aspects of such configurations using purely string theoretical and field theoretical approaches. *To appear, in collaboration with I. Brünner and I. A. Saberi.*

Do you wish to attend the workshop on-site?

no

Summary

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