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AdS/CFT at all worldsheet topologies

Much recent progress has been made in understanding the 'tensionless' limit of the AdS_3/CFT_2 correspondence directly using powerful worldsheet CFT methods. For closed strings, the correspondence between partition functions and correlation functions is fairly well understood. Using methods of boundary conformal field theory, we explore the dynamics of strings in D-brane and O-plane backgrounds and find a correspondence to special boundary states and crosscaps in the dual CFT_2.

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