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On Finite Size D-branes

Thursday, 9 May 2019 16:30 (55 minutes)

I will discuss the marginal deformation describing the blow-up of a zero-size D-brane within super string field theory as well as the world sheet description. By analyzing the equations of motion of superstring field theory we find that this marginal deformation is obstructed, at third order in the size of the D- brane. This obstruction is due to subtleties in the integration over odd moduli in super-moduli space, which are missed by the standard worldsheet approach in terms of vertex operators of various pictures.

Presenter: SACHS, Ivo

Session Classification: Talks