

Doubled Spacetime, Homotopy Algebras, and Puzzles of String Fields on Tori

Friday, 24 September 2021 16:15 (30 minutes)

I will outline the program of obtaining “double field theory” – the theory of massless string modes on a torus background with both momentum and winding – beyond cubic order, using the technology of homotopy algebras. I will also point out and resolve some relevant ambiguities (“cocycle signs”) afflicting closed SFT on tori.

Presenter: ARVANITAKIS, Alex