

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.

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