Séminaire de matrices, cordes et géométries aléatoires

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Mercredi 09/10/2019, 14:15-15:15

Orme des Merisiers Salle Claude Itzykson, Bât. 774

Non-geometric backgrounds from open-string T-duality transformations

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We will discuss open string T-duality transformations via Buscher procedure, taking into account a non-trivial worldsheet boundary. We will address some technical details which will allow us to perform T-duality transformations discerning directions with Neumann and Dirichlet boundary conditions. We will illustrate this formalism and provide some examples by taking successive T-duality transformations on the three-torus with H-flux and by studying the corresponding dual backgrounds.

This talk is based on 1806.01308.