String Dualities and Geometry



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T-duality transformations along angular directions for the NS5-brane

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I review the uncompactified NS5-brane solution and define in addition to the H-flux a geometric charge for this background. Under T-duality these charge are interchanged, and supersymmetry will be partially broken. These results are compared to the compactified-and-smeared solution, which shows very different behaviour.

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