

Supersymmetric gauged DFT

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In a systematic and geometric way, we derive maximal and half-maximal supersymmetric gauged double field theories in lower than ten dimensions. To this end, we apply a simple twisting ansatz to the D=10 ungauged maximal and half-maximal supersymmetric double field theories constructed previously. The twisting ansatz may not satisfy the section condition. In addition, the maximal supersymmetric twist requires an extra condition to ensure both the Ramond-Ramond gauge symmetry and the 32 supersymmetries unbroken. Based on <http://arxiv.org/abs/1505.01301>

Presenter: FERNANDEZ-MELGAREJO, Jose J. (Harvard University)