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Supersymmetric brane field theories and non-linear instantons on curved backgrounds

jeudi 18 janvier 2018 17:00 (20 minutes)

In recent years supersymmetric field theories have been realized on large classes of curved backgrounds, by coupling them to off-shell supergravity backgrounds. I will describe how these field theories are realized in string theory on D-branes in flux backgrounds, and how the auxiliary fields of off-shell supergravity can be matched with the various fluxes of string theory. Finally I will discuss how linear and non-linear supersymmetries and their instantons can be described by using an R-symmetry covariant description.

Orateur: TRIENDL, Hagen