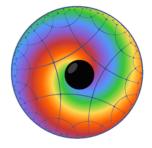Contribution ID: **67**   Type: **not specified**

The local renormalization group equation in superspace

Wednesday, 15 April 2015 14:20 (30 minutes)

The superspace formulation of the local renormalization group equation is discussed. This is framework in which the constraints of holomorphy and R-symmetry on supersymmetric RG flows are manifest. Background fields are used to define the super-Weyl symmetry off-criticality and to derive the consistency conditions associated with this symmetry. An analog of the "a-maximization" equation, which is valid off-criticality is introduced. This machinery is also applied to the study of conformal manifolds and a simple proof is given that the metric on such manifolds is Kahler.

Presenter: AUZZI, Roberto

Session Classification: Parallel Session