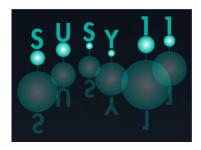
Supersymmetry 2011 (SUSY11)



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Supersymmetry Breaking Triggered by Monopoles

Sunday, 28 August 2011 14:55 (20 minutes)

After briefly reviewing the insights of Seiberg and Witten (1994) which provide a low-energy description of N=2 SUSY theories featuring massless monopoles, we investigate N=1 supersymmetric gauge theories where monopole condensation triggers supersymmetry breaking in a metastable vacuum. The low-energy effective theory is an O'Raifeartaigh-like model of the kind investigated recently by Shih where the R-symmetry can be spontaneously broken.

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