

Suppressed SUSY and Grand Unified SuperGravity Models

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Suppressed SUSY is a mechanism for generating a realistic model based on SUSY, but without spontaneous or explicit breaking of SUSY. It arises from a canonical transformation, which preserves the BRST Master Equation of Supergravity, coupled to, for example, SU(5) Grand Unified Supersymmetric Gauge Theory with Matter. The canonical transformation preserves the Master Equation, but the physical interpretation changes because we choose an 'Exchange Transformation', which makes old Quantized Fields become new Zinn-Justin type Sources, and vice versa. This generates a new kind of theory, which clearly preserves its origin from SUSY, but which does not have the usual problems of SUSY.

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