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Supersymmetry Breaking at Finite Temperature in a Susy Harmonic Oscillator with Interaction.

Tuesday 20 March 2018 16:00 (1 hour)

The supersymmetry breaking of a supersymmetric harmonic oscillator with polynomial interaction is analyzed. Some thermal effects are studied following TFD formalism. The restored supersymmetry results in nonvanishing energy at finite temperatures due the additivity of the thermal effects, while at $T = 0$ the energy is zero.

Summary

The supersymmetry breaking of a supersymmetric harmonic oscillator with polynomial interaction is analyzed

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