

Instantons, Euclidean supersymmetry and Wick rotations.

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Abstract

We discuss the reality properties of the fermionic collective coordinates in Euclidean space in an instanton background and construct hermitean actions for $\mathcal{N} = 4$ and $\mathcal{N} = 2$ supersymmetric Euclidean Yang-Mills theories.

Keywords: Euclidean supersymmetry, reality condition, instantons, zero modes

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