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Quantum Corrections in the 5D (Supersymmetric) Space

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Abstract:

We first study the quantum corrections, up to the one loop level, to the physical quantities in the five dimensional space; then generalize the calculations in the five dimensional supersymmetric space. The evolution behaviors of the Higgs self coupling, as well as the flavor mixings, are discussed in the 5D space and 5D supersymmetric space respectively.

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