

# $Q_6$ as the Flavor Symmetry in the non-minimal SUSY $SU(5)$ Model.

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## Abstract content

We present a non-minimal renormalizable SUSY  $SU(5)$  model where the flavor sector is driven by the  $Q_6$  flavor symmetry. In the Nearest Neighbor Interactions scenario and invoking R-parity conservation, we achieve to accommodate, according the current data, mixings in the CKM matrix. At the same time, in the leptonic side, the model predicts a strong inverted hierarchy spectrum among the neutrino masses and consistent neutrino mixing angles are obtained.

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