

Quark mixing matrix of the $S(3)$ extended Standard Model

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Abstract content

In this work we computed the quark mass matrix and the quark mixing matrix of the S_3 invariant extension of the Standard Model. In the S_3 invariant minimal standard model it is assumed that the quark, leptons and Higgs fields belong to the three-dimensional reducible representation of the permutation group S_3 . We performed a perturbative diagonalization of the quark mass matrix and computed the quark mixing matrix for the model.

Summary

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