

# General four-zero texture mass matrix parametrizations in the neutrino and quark sector.

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## Abstract content

A general analysis of the consequences on the neutrinos masses using a general four-zero texture mass matrix is shown. We present a general and different approach to the problem that leads to several way of parametrization of the CKM and PMNS mixing matrices. Once we demonstrate the usefulness of our parametrizations in the sector quarks taking into account the last experimental results, we provide a frame in order to give a prediction on the value of the  $m_{\nu_3}$  based on the four-zero texture mass matrix through a  $\chi^2$  analysis in the neutrino sector.

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