

LINKING THE PARAMETERS
OF DIQUARK-QUARK MODEL
TO THE CABIBBO ANGLE

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S u m m a r y

From two different modifications of the Gell-Mann—Okubo mass relation for $(\frac{1}{2})^+$ baryons: the first one given by a version of diquark-quark model and the second one being an optimal mass sum rule obtained using quantum groups $U_q(\mathfrak{su}_n)$ in the role of hadronic flavor symmetries, we find a direct connection of the mass parameters of the diquark-quark model of Lichtenberg, Tassie and Keleman to the (proper value of) q -parameter and then to the Cabibbo angle.