DEFORMATIONS OF THE CHEBYSHEV HYPERGROUPS

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ABSTRACT. In the present paper we introduce q-deformations of the Chebyshev hypergroups of the first kind and of the second kind as models of q-deformations of countable discrete hypergroups. Moreover we study q-deformations of character hypergroups $\mathcal{K}(\hat{G})$ of certain compact groups G.