

Abstract Submitted
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Angular Momentum Decomposition in QED and QCD HIKMAT

B.C., MATTHIAS BURKARDT, NMSU — We calculate the orbital angular momentum of the “quark” in the scalar diquark model as well as that of the electron in QED(to order α). We compare the orbital angular momentum obtained from the Jaffe - Manohar decomposition to that obtained from the Ji relation and estimate the importance of the vector potential in the definition of orbital angular momentum.

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