

ON COORDINATE AND MOMENTUM
UNCERTAINTIES OF THE CENTER
OF MASSES OF A COHERENT
ELECTRON PAIR

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S u m m a r y

Manifestations of the uncertainties that are inherent to the coordinates and the momentum of the center of masses of a coherent electron pair have been studied. It has been demonstrated that there exists a nonzero probability to register a pair of electrons on the same side of their center of masses. The dependence of this quantity on the state parameters has been calculated, and the conditions, under which it equals $1/2$, have been determined.