Static electrical polarizability of a π meson in a composite scalar quark model in the quasi-potential approach

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In the present paper in a formalism of a single-time approximation we obtain the quasi-potenzial equation for a "positively - frequency" wave function of a neutral system of two scalar charged particles of an equal mass in an external electromagnetic field in the second order on this field. Because of sectional equation the shift of levels of an energy of a system in an external field is defined. The calculation of an electrical polarizability for a pi meson in composite scalar quark model with Coulomb and with oscillating potentials is produced. The theoretical analysis of numerical estimations of static polarizabilities of a composite system is carried out.

107