

Energy states of colored particle in a chromomagnetic field

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We aim to correct sign misprints in Sect. 3 of this paper.

1. “ \mp ” in the expressions (35) and above for the energy spectra $E_{1,2}^2$ should be read as “ \pm ”.
2. Signs before the last addendants in the diagonal elements h'_{11} and h'_{55} in the equation (39) should be changed and the corrected equation (39) has the following form:

$$h'_{11} \equiv f_3 = \mathcal{P}^2 + \mathcal{G}^2/4 + \mathcal{G}p,$$

$$\begin{aligned} h'_{22} &\equiv f_6 = \mathcal{P}^2 + 5\mathcal{G}^2/4 - \mathcal{G}p', \\ h'_{33} &\equiv f_1 = \mathcal{P}^2, \\ h'_{44} &\equiv f_5 = \mathcal{P}^2 + 5\mathcal{G}^2/4 + \mathcal{G}p', \\ h'_{55} &\equiv f_4 = \mathcal{P}^2 + \mathcal{G}^2/4 - \mathcal{G}p, \\ h'_{66} &\equiv f_2 = \mathcal{P}^2. \end{aligned}$$

These misprints do not lead to any change and modifications in the other expressions and calculations of this paper.