ERRATA

EFFECTIVE POTENTIAL FOR D -BRANE IN CONSTANT ELECTROMAGNETIC FIELD

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 SHIN'ICHI NOJIRI* and SERGEI D. ODINTSOV†

In the paper, Eq. (78) is incorrect and it should be

$$\left\{ -\frac{1}{4}(\hat{G}^{-1})^{jk}(\hat{G}^{-1})^{li} + \frac{1}{8}(\hat{G}^{-1})^{ji}(\hat{G}^{-1})^{lk} \right\} F_{ij} F_{kl} \\
 = \frac{1}{2}\hat{G}^{-1}R^2(F_{01}^2 + F_{02}^2) + \frac{1}{2}\hat{G}^{-2}R^4F_{12}^2.$$

Here the coefficient in the second term in the second line is corrected. Due to the above correction, Eqs. (81), (82) and (83) are modified. Especially the total one-loop potential (83) is given by

$$V_T = k(R^4 + h^2)^{\frac{1}{2}} + \frac{d-2}{2} \cdot \frac{R}{(R^4 + h^2)^{\frac{1}{2}}} f_T(1, 1).$$

Different from the result in the text, the potential is stable and has nontrivial minimum as in Eq. (19) of the text.

*E-mail: nojiri@cc.nda.ac.jp

†E-mail : odintsov@quantum.univalle.edu.co or sergei@ecm.ub.es