Erratum: Entanglement criteria via concave-function uncertainty relations [Phys. Rev. A 82, 012335 (2010)]

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There are several minor errors in Sec. V B of the original article [1].
Eq. (61b) should read

$$L(\rho,\sigma_z \otimes \sigma_1) \geqslant \arccos \frac{1}{\sqrt{3}}. \tag{61b}$$

The two lines following Eq. (63) should read as "... entanglement when $p > 0.8023$ and $p > 0.7277$, respectively."
Eq. (70) should read

$$f(x_1,x_2,\ldots) = - \max_{i\in\mathbf{N}} x_i. \tag{70}$$

Eq. (76b) should read

$$L(\rho,e_1,\varepsilon_1,Q_1^*) + L(\rho,e_2,\varepsilon_2,Q_2^*) \geqslant \arccos \frac{1}{\sqrt{2}}. \tag{76b}$$

There exists a misprint in Ref. [35]. Reference [35] should read "W. Beckner, Ann. Math. **102**, 159 (1975)."
All conclusions of the article [1] remain unchanged.

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[1] Y. Huang, Phys. Rev. A **82**, 012335 (2010).