

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

Yichen Huang

(Received 21 November 2010; published 10 December 2010)

DOI: [10.1103/PhysRevA.82.069903](https://doi.org/10.1103/PhysRevA.82.069903)

PACS number(s): 03.67.Mn, 03.65.Ud, 03.65.Ta, 99.10.Cd

There are several minor errors in Sec. V B of the original article [1].

Eq. (61b) should read

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

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

Eq. (70) should read

$$f(x_1, x_2, \dots) = -\max_{i \in \mathbb{N}} x_i. \quad (70)$$

Eq. (76b) should read

$$L(\rho, e_1, \varepsilon_1, \mathcal{Q}_1^*) + L(\rho, e_2, \varepsilon_2, \mathcal{Q}_2^*) \geq \arccos \frac{1}{\sqrt{2}}. \quad (76b)$$

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.

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