

Quantum information and entropy squeezing of a two-level atom with a non-linear medium

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Corrigendum

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M Abdel-Aty, M Sebawe Abdalla and A-S F Obada 2001 *J. Phys. A: Math. Gen.* **34** 9129–9141

Equation (15) should be corrected as follows:

$$\begin{aligned} H(S_x) &= - \left[\frac{1}{2} + \operatorname{Re}\{\rho_{ge}(t)\} \right] \ln \left[\frac{1}{2} + \operatorname{Re}\{\rho_{ge}(t)\} \right] - \left[\frac{1}{2} - \operatorname{Re}\{\rho_{ge}(t)\} \right] \ln \left[\frac{1}{2} - \operatorname{Re}\{\rho_{ge}(t)\} \right] \\ H(S_y) &= - \left[\frac{1}{2} + \operatorname{Im}\{\rho_{ge}(t)\} \right] \ln \left[\frac{1}{2} + \operatorname{Im}\{\rho_{ge}(t)\} \right] - \left[\frac{1}{2} - \operatorname{Im}\{\rho_{ge}(t)\} \right] \ln \left[\frac{1}{2} - \operatorname{Im}\{\rho_{ge}(t)\} \right] \end{aligned} \quad (15)$$

This equation appeared incorrectly in both the online and print editions but the online version has subsequently been corrected.