

Erratum: Quantum discord for two-qubit X states [Phys. Rev. A **81, 042105 (2010)]**

Mazhar Ali, A. R. P. Rau, and G. Alber
(Received 25 November 2010; published 8 December 2010)

DOI: [10.1103/PhysRevA.82.069902](https://doi.org/10.1103/PhysRevA.82.069902)

PACS number(s): 03.65.Ta, 03.67.-a, 99.10.Cd

In the definition of Θ after Eq. (17) the density matrix element ρ_{23} has to be replaced by its complex conjugate. This minor misprint, however, does not affect any of our results. Furthermore, we would like to note the second explicit relation between the quantities k, l, m, n , namely $m^2 + n^2 = klm$. Along with $k + l = 1$ it implies that there are only two independent parameters over which the supremization involved in the definition of quantum discord has to be performed.