

Erratum: “A comparative study of the Si + O₂ → SiO + O reaction dynamics from quasiclassical trajectory and statistical based methods” [J. Chem. Phys.128, 174307 (2008)]

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Erratum: “A comparative study of the $\text{Si} + \text{O}_2 \rightarrow \text{SiO} + \text{O}$ reaction dynamics from quasiclassical trajectory and statistical based methods” [*J. Chem. Phys.* **128**, 174307 (2008)]

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We recently noticed that formula (A28) in the Appendix is erroneous.¹ Following Eqs. (A20)–(A27), the center-of-mass scattering angle, θ , is given by

$$\begin{aligned} \theta &= f(\Gamma', \alpha, \beta) = \arccos(\mathbf{u}_{k'} \cdot \mathbf{y}) \\ &= \arccos\{\sin \beta(\cos \alpha \cos \alpha_{I'} - \sin \alpha \sin \alpha_{I'} \cos \theta_{JI'}) \\ &\quad + \cos \beta[\cos \theta_{IJ}(\sin \alpha \cos \alpha_{I'} + \cos \alpha \sin \alpha_{I'} \cos \theta_{JI'}) \\ &\quad - \sin \theta_{IJ} \sin \alpha_{I'} \sin \theta_{JI'}]\}. \end{aligned}$$

However, the above correct formula was the one used to compute all the published results. The conclusions are then unaffected.

¹F. Dayou, P. Larrégaray, L. Bonnet, J.-C. Rayez, P. N. Arenas, and T. González-Lezana, *J. Chem. Phys.* **128**, 174307 (2008).

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