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## Correction: Theoretical calculation of a full-dimensional *ab initio* potential energy surface and prediction of infrared spectra for Xe–CS<sub>2</sub>

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Correction for 'Theoretical calculation of a full-dimensional *ab initio* potential energy surface and prediction of infrared spectra for Xe–CS<sub>2</sub>' by Miao Qin *et al.*, *RSC Adv.*, 2019, 9, 20925–20930.

The authors regret that eqn (4) was displayed incorrectly in the PDF version of the original article. The correct version of eqn (4) is presented below:

$$\hat{H} = -\frac{1}{2\mu} \frac{\partial^2}{\partial R^2} + \frac{j^2}{2I_{v_1+v_3}} + \frac{(\hat{J}-j)^2}{2\mu R^2} + V_{v_1+v_3}(R, \theta)$$

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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