

**Erratum: First-principles study on the intrinsic stability of the magic Fe<sub>13</sub>O<sub>8</sub> Cluster**  
**[Phys. Rev. B 61, 5781 (2000)]**

Q. Sun,<sup>1</sup> Q. Wang,<sup>1</sup> K. Parlinski,<sup>1,2</sup> J. Z. Yu,<sup>1</sup> Y. Hashi,<sup>3</sup> X. G. Gong,<sup>4</sup> and Y. Kawazoe<sup>1</sup>  
<sup>1</sup>*Institute for Materials Research, Tohoku University, Sendai 980-8577, Japan*  
<sup>2</sup>*Institute of Nuclear Physics, 31-342 Cracow, Poland*  
<sup>3</sup>*Hitachi Tohoku Software Ltd., Sendai 980-0014, Japan*  
<sup>4</sup>*Institute of Solid State Physics, Academia Sinica, 230031-Hefei, People's Republic of China*

There is an error in the unit of frequency in this paper; the frequencies in Table II should be in THz. If converted to cm<sup>-1</sup>, the data are shown in the table below. The vibration frequencies found recently by all-electron calculations<sup>1</sup> have similar values. There are also some errors in the specifications of mode type. A<sub>2u</sub> and E<sub>u</sub> modes are infrared active, whereas A<sub>1g</sub>, B<sub>1g</sub>, B<sub>2g</sub>, and E<sub>g</sub> modes are active in Raman. These corrections do not alter the main results or conclusions of the paper.

TABLE II. Frequencies (in cm<sup>-1</sup>) and irreducible representations (IrRep) of the vibrational modes active in Raman (R) or infrared (IR) spectroscopy for the Fe<sub>13</sub>O<sub>8</sub> cluster.

	IrRep	Frequency
R	A <sub>1g</sub>	181, 296, 330, 471, 739
	B <sub>1g</sub>	174, 294, 488
	B <sub>2g</sub>	163, 305, 475, 725
	E <sub>g</sub>	175, 276, 298, 503, 574, 724
IR	A <sub>2u</sub>	221, 312, 339, 576, 734
	E <sub>u</sub>	129, 223, 234, 309, 337, 496, 576, 738

<sup>1</sup>J. Kortus and M. R. Pederson, Phys. Rev. B **62**, 5755 (2000).