

Erratum: Spin dynamics of the magnetocaloric compound MnFe₄Si₃ [Phys. Rev. B 96, 104407 (2017)]

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(Received 19 November 2018; published 4 December 2018)

DOI: [10.1103/PhysRevB.98.219903](https://doi.org/10.1103/PhysRevB.98.219903)

In our paper, the conversion from reciprocal lattice units to Å⁻¹ was not properly performed for the hexagonal in-plane directions. Furthermore, the values of the spin-wave stiffness constants $D_{(h00)}$ and $D_{(hh0)}$ are recalculated more accurately by a simultaneous fit of the data. Taking into account these corrections, the new values should read:

Page 3, left column: $D_{(h00)} = 30(4)$ and $D_{(hh0)} = 46(4)$ meV Å².

Page 5, left column: $\kappa_{(h00)} = 0.16(1)$ Å⁻¹.

Page 5, right column: for the (h00) direction: $A_{loc} = 24.6(5)$ meV Å^{2.5}, $A_{wi} = 0.80(22)$ meV Å, and $\kappa_{(h00)} = 0.16(3)$ Å⁻¹.

Page 6, left column: $\kappa_{(h00)}^* = 0.161(2)$ Å⁻¹.

Page 6, left column: $(D_{(00l)}/D_{(h00)}) = 10.3(1.7)$ and $(A_{loc}^{(00l)}/A_{loc}^{(h00)}) = 7.44(29)$.

Page 6, right column: for $\nu = 0.5$: $\kappa_0^{(h00)} = 0.86(5)$ Å⁻¹ and for $\nu = 0.7$: $\kappa_0^{(h00)} = 1.7(1)$ Å⁻¹.

Page 6, right column: The calculation using T_C and $D_{(h00)}$ now leads to $\kappa_0^{(h00)} = 1.15(8)$ Å⁻¹.

Page 7, the values in Table III should read accordingly with the text, $D_{(h00)} = 30(4)$ meV Å² and $D_{(00l)}/D_{(h00)} = 10.3(1.7)$.

The corrected values are close to the previous ones, and these changes do not affect the conclusions of the paper.