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All acronyms should be defined at first mention in the abstract and in the main text. Define in figures, tables, and footnotes only if not defined in the discussion of the figure/table. Acronyms consist of capital letters (except where salted with lowercase), but the terms they represent need not be given initial caps unless a proper name is involved (“central processing unit” [CPU] but “Fourier transform” [FT]). Use of “e.g.” and “i.e.” okay, but refrain from using “etc.” It is preferable to use these abbreviations only in parentheses (e.g., like this).

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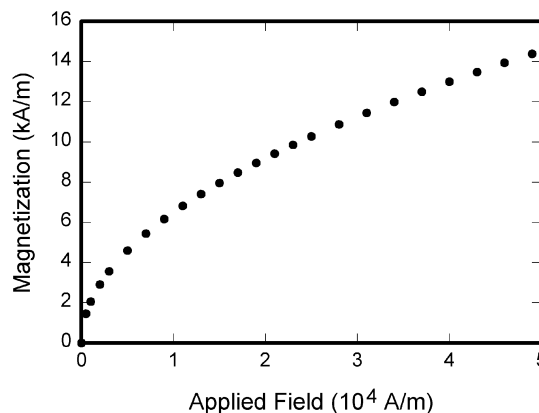
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**Figure 1.** Note that “Figure” is spelled out. There is a period after the figure number, followed by one space. It is good practice to briefly explain the significance of the figure in the caption. (Used, with permission, from [4].)

**Table 1. Units for magnetic properties.**

Symbol	Quantity	Conversion from Gaussian and CGS EMU to SI <sup>a</sup>
$\Phi$	Magnetic flux	1 Mx $\rightarrow$ $10^{-8}$ Wb $= 10^{-8}$ V $\cdot$ s
$B$	Magnetic flux density, magnetic induction	1 G $\rightarrow$ $10^{-4}$ T $= 10^{-4}$ Wb/m <sup>2</sup>
$H$	Magnetic field strength	1 Oe $\rightarrow$ $10^{-3}/(4\pi)$ A/m
$m$	Magnetic moment	1 erg/G = 1 emu $\rightarrow$ $10^{-3}$ A $\cdot$ m <sup>2</sup> $= 10^{-3}$ J/T
$M$	Magnetization	1 erg/(G $\cdot$ cm <sup>3</sup> ) = 1 emu/cm <sup>3</sup> $\rightarrow$ $10^{-3}$ A/m
$4\pi M$	Magnetization	1 G $\rightarrow$ $10^{-3}/(4\pi)$ A/m
$\sigma$	Specific magnetization	1 erg/(G $\cdot$ g) = 1 emu/g $\rightarrow$ 1 A $\cdot$ m <sup>2</sup> /kg
$j$	Magnetic dipole moment	1 erg/G = 1 emu $\rightarrow$ $4\pi \times 10^{-10}$ Wb $\cdot$ m
$J$	Magnetic polarization	1 erg/(G $\cdot$ cm <sup>3</sup> ) = 1 emu/cm <sup>3</sup> $\rightarrow$ $4\pi \times 10^{-4}$ T
$\chi, \kappa$	Susceptibility	1 $\rightarrow$ $4\pi$
$\chi\rho$	Mass susceptibility	1 cm <sup>3</sup> /g $\rightarrow$ $4\pi \times 10^{-3}$ m <sup>3</sup> /kg
$\mu$	Permeability	1 $\rightarrow$ $4\pi \times 10^{-7}$ H/m $= 4\pi \times 10^{-7}$ Wb/(A $\cdot$ m)
$\mu_r$	Relative permeability	$\mu \rightarrow \mu_r$
$w, W$	Energy density	1 erg/cm <sup>3</sup> $\rightarrow$ $10^{-1}$ J/m <sup>3</sup>
$N, D$	Demagnetizing factor	1 $\rightarrow$ $1/(4\pi)$

Vertical lines are optional in tables. Statements that serve as captions for the entire table do not need footnote letters.

<sup>a</sup>Gaussian units are the same as cg emu for magnetostatics; Mx = maxwell, G = gauss, Oe = oersted; Wb = weber; V = volt, s = second, T = tesla, m = meter, A = ampere, J = joule, kg = kilogram, H = henry.

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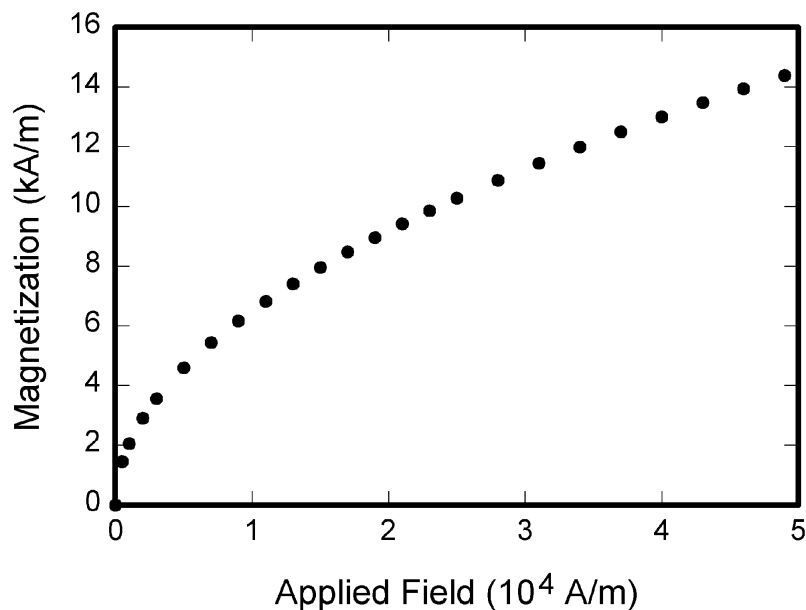
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**Figure 2.** Note that “Figure” is spelled out. There is a period after the figure number, followed by one space. It is good practice to briefly explain the significance of the figure in the caption. (Used, with permission, from [4].)

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## ACKNOWLEDGMENTS

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