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Spell out numerals that have no unit of measure or time (one, two, ... ten), but always use numerals with units of time and measure. Some examples are as follows: 11 through 999; 1,000; 10,000; twentieth century; twofold, tenfold, 20-fold; 2 times; 0.2 cm; p = .001; 25%; 10% to 25%.

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Scalar *variables* and *physical constants* should be italicized, and a bold (non-italics) font should be used for **vectors** and **matrices**. Do not italicize subscripts unless they are variables.

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Display equations should be flush left and numbered consecutively, with equation numbers in parentheses and flush right.

Be sure the symbols in your equation have been defined before the equation appears or immediately following. Please refer to "Equation (1)," not "Eq. (1)" or "equation (1)."

Punctuate display equations when they are part of the sentence preceding it, as in

$$A = \pi r^2. \tag{1}$$

In addition, if the text following the equation flows logically as a part of the display equation,

$$A = \pi r^2, \tag{2}$$

use ending punctuation (comma) after the display equation.

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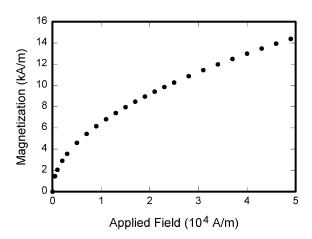


Figure 1. Note that "Figure" is spelled out. There is a period after the figure number, followed by one space. It is good practice to briefly explain the significance of the figure in the caption. (Used, with permission, from [4].)

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Table 1. Units for magnetic properties.

Symbol	Quantity	Conversion from
By III cor	Quantity	Gaussian and CGS
		EMU to SI ^a
Φ	Magnetic flux	$\frac{1 \text{ Mx} \rightarrow 10^{-8} \text{ Wb}}{1 \text{ Mx} \rightarrow 10^{-8} \text{ Wb}}$
T	Wiagnetic flux	$= 10^{-8} \text{ V} \cdot \text{s}$
D	Manuatia flui	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
B	Magnetic flux	$= 10^{-4} \text{ Wb/m}^2$
	density, magnetic	$= 10^{-1} \text{ W b/m}^2$
**	induction	1.0 10-3/(4.)
H	Magnetic field	$1 \text{ Oe} \to 10^{-3}/(4\pi)$
	strength	A/m
m	Magnetic moment	1 erg/G = 1 emu
		$\rightarrow 10^{-3} \text{ A} \cdot$
		$m^2 = 10^{-3} J/T$
M	Magnetization	$1 \operatorname{erg/(G \cdot cm^3)} = 1$
		$emu/cm^3 \rightarrow 10^{-3}$
		A/m
$4\pi M$	Magnetization	$1 \text{ G} \rightarrow 10^{-3}/(4\pi)$
		A/m
σ	Specific	$1 \operatorname{erg}/(G \cdot g) = 1$
	magnetization	$emu/g \rightarrow 1 A \cdot m^2/kg$
j	Magnetic dipole	1 erg/G = 1 emu
J	moment	$\rightarrow 4\pi \times 10^{-10} \text{ Wb} \cdot$
		m
J	Magnetic	$1 \operatorname{erg/(G \cdot cm^3)} = 1$
	polarization	emu/cm ³
	F	$\rightarrow 4\pi \times 10^{-4} \text{ T}$
χ, κ	Susceptibility	$1 \rightarrow 4\pi$
χ_{ρ}	Mass	$1 \text{ cm}^3/\text{g} \to 4\pi \times 10^{-3}$
$\lambda \rho$	susceptibility	m^3/kg
μ	Permeability	$1 \rightarrow 4\pi \times 10^{-7} \text{ H/m}$
۳	Cinicadinity	$= 4\pi \times 10^{-7} \text{ Wb/(A} \cdot$
		$\begin{pmatrix} -4\pi \times 10 & \text{Wor}(\mathbf{A}) \\ \mathbf{m} \end{pmatrix}$
,,	Relative	$\mu \to \mu_r$
μ_r	permeability	$\mu \rightarrow \mu_r$
IA7	1	$1 \text{ erg/cm}^3 \rightarrow 10^{-1}$
w, W	Energy density	J/m^3
N D	Dama amatinina	
N, D	Demagnetizing	$1 \rightarrow 1/(4\pi)$
	factor	

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

END SECTIONS

Appendices

If multiple appendices are required, they should labeled "Appendix A," "Appendix B," etc. They appear before the "Acknowledgment" or the "References" section.

Acknowledgment

The "Acknowledgment" (no's) section appears immediately after the conclusion. If applicable, this is where you indicate funding for the work. The preferred spelling of the word "acknowledgment" in American English is without an "e"

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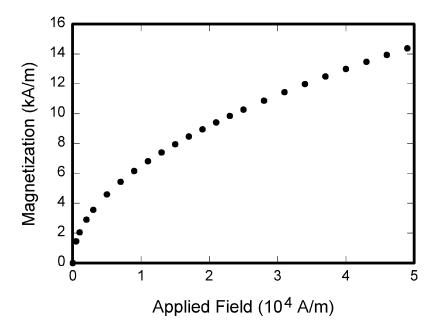


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ACKNOWLEDGMENT

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