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F. A. Author, S. B. Author Jr., T. C. Author III

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(1)

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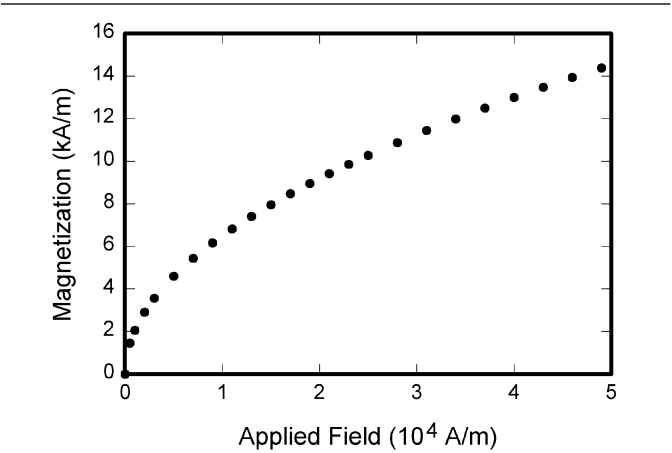


Figure 1 Note that “Figure” is spelled out. There is no period after the figure number, followed by one space. It is good practice to briefly explain the significance of the figure in the caption. (Used, with permission, from [4].)

Table 1 Units for Magnetic Properties

Symbol	Quantity	Conversion from Gaussian and CGS EMU to SI ^a
Φ	Magnetic flux	1 Mx → 10 ^{−8} Wb = 10 ^{−8} V · s
B	Magnetic flux density, magnetic induction	1 G → 10 ^{−4} T = 10 ^{−4} Wb/m ²
H	Magnetic field strength	1 Oe → 10 ^{−3} /(4π) A/m
m	Magnetic moment	1 erg/G = 1 emu → 10 ^{−3} A · m ² = 10 ^{−3} J/T
M	Magnetization	1 erg/(G · cm ³) = 1 emu/cm ³ → 10 ^{−3} A/m
4πM	Magnetization	1 G → 10 ^{−3} /(4π) A/m
σ	Specific magnetization	1 erg/(G · g) = 1 emu/g → 1 A · m ² /kg
j	Magnetic dipole moment	1 erg/G = 1 emu → 4π × 10 ^{−10} Wb · m
J	Magnetic polarization	1 erg/(G · cm ³) = 1 emu/cm ³ → 4π × 10 ^{−4} T
χ, κ	Susceptibility	1 → 4π
χρ	Mass susceptibility	1 cm ³ /g → 4π × 10 ^{−3} m ³ /kg
μ	Permeability	1 → 4π × 10 ^{−7} H/m = 4π × 10 ^{−7} Wb/(A · m)
μ _r	Relative permeability	μ → μ _r
w, W	Energy density	1 erg/cm ³ → 10 ^{−1} J/m ³
N, D	Demagnetizing factor	1 → 1/(4π)

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.

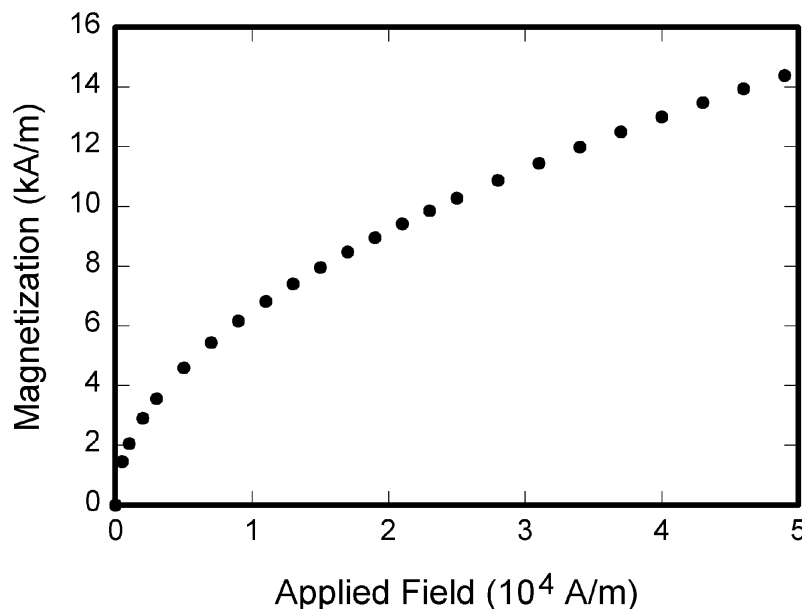


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Acknowledgment

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