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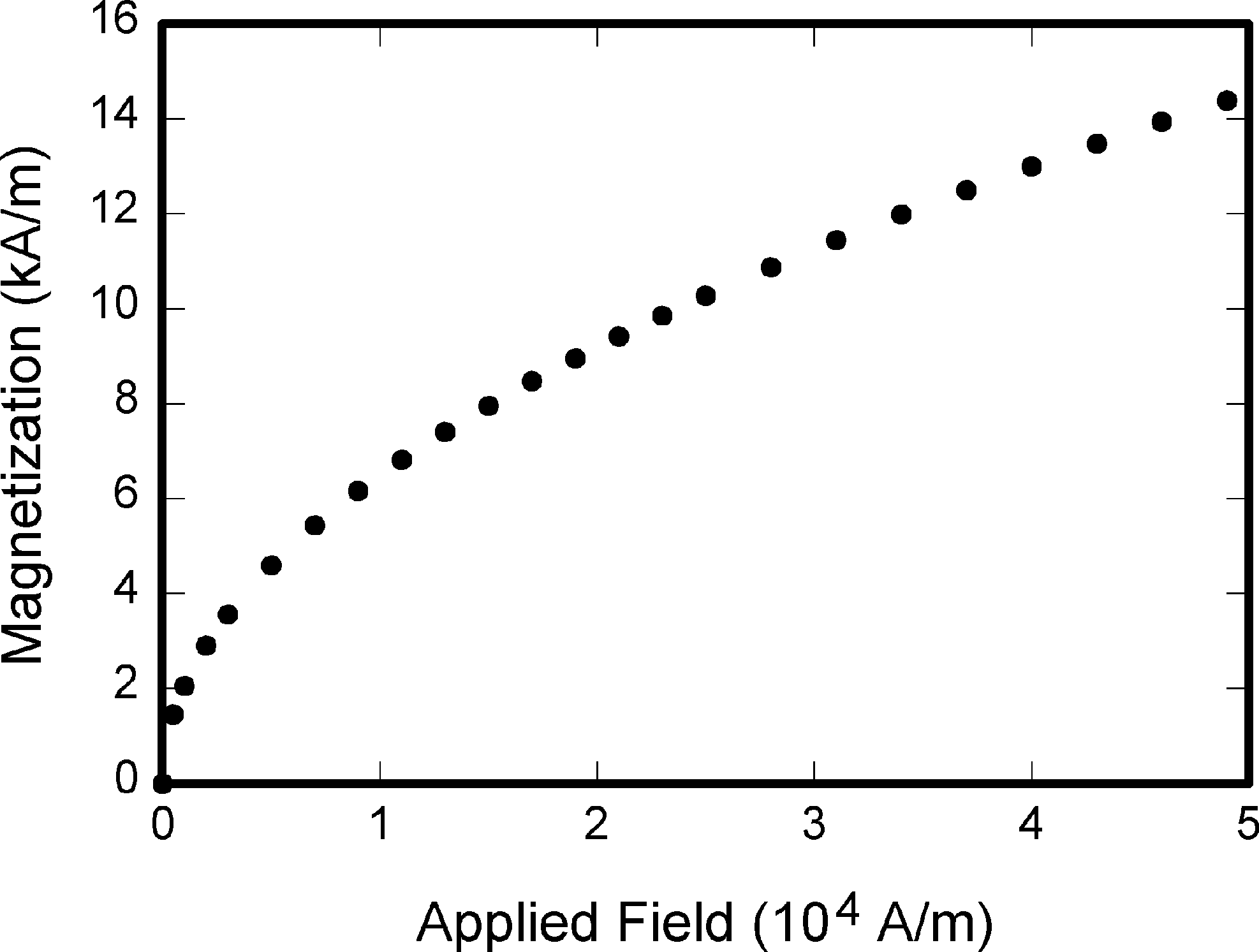


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Table 1. Units for magnetic properties.

|  |  |  |
| --- | --- | --- |
| Symbol | Quantity | Conversion from  Gaussian and CGS EMU to SIa |
| Φ | Magnetic flux | 1 Mx *→* 10*−*8 Wb |
| *B* | Magnetic flux density, magnetic induction | = 10*−*8 V *·* s  1 G *→* 10*−*4 T  = 10*−*4 Wb/m2 |
| *H* | Magnetic field strength | 1 Oe *→* 10*−*3*/*(4*π*)  A/m |
| *m* | Magnetic moment | 1 erg/G = 1 emu |
|  |  | *→* 10*−*3 A *·* |
| *M* | Magnetization | m2 = 10*−*3 J/T  1 erg/(G *·* cm3) = 1 |
|  |  | emu/cm3 *→* 10*−*3 |
|  |  | A/m |
| 4*πM* | Magnetization | 1 G *→* 10*−*3*/*(4*π*) |
|  |  | A/m |

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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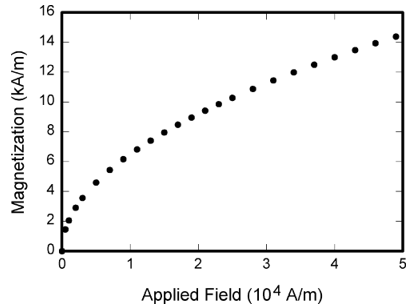


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ACKNOWLEDGMENT

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