

# mahajan and rangwala electricity and magnetism

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GMT mahajan and rangwala electricity and pdf

- In atomic physics, the Bohr magneton (symbol  $\mu_B$ ) is a physical constant and the natural unit for expressing the magnetic moment of an electron caused by either its orbital or spin angular momentum..

The Bohr magneton is defined in SI units by  $\mu_B = \frac{e\hbar}{2m_e}$  and in Gaussian CGS units by  $\mu_B = \frac{e\hbar}{2m_e c}$  where  $e$  is the elementary charge,  $\hbar$  is the reduced Planck constant,  $m_e$  is the electron rest mass and Tue, 15 Jan 2019 01:52:00 GMT

Bohr magneton - Wikipedia

- In atomic physics, the electron magnetic moment, or more specifically the electron magnetic dipole moment, is the magnetic moment of an electron caused by its intrinsic properties of spin and electric charge. The value of the electron magnetic moment is approximately  $9.284764 \times 10^{-24}$  J/T. The electron magnetic moment has been measured to an accuracy of 7.6 parts in 10<sup>13</sup>.

Electron magnetic moment - Wikipedia -

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