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Introduction to Geomagnetically Trapped Radiation

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Chapter

Useful constants pp. xvii-xvii

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Useful constants

| | | |
|--------------|----------------------------|--|
| e | Elementary charge | 1.602×10^{-19} coulombs |
| m_e | Rest mass of electron | 9.11×10^{-31} kg |
| m_p | Rest mass of proton | 1.673×10^{-27} kg |
| c | Speed of light in vacuum | 2.998×10^8 m s ⁻¹ |
| μ_0 | Permeability of free space | $4\pi \times 10^{-7}$ newton s ² coulomb ⁻² |
| ϵ_0 | Permittivity of free space | 8.85×10^{-12} coulomb ² newton ⁻¹ meter ⁻² |