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Introduction to Geomagnetically Trapped Radiation

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Chapter

Geophysical quantities

R_E	Mean radius of Earth	6.37×10^3 km
B_0	Mean magnetic field on equator at Earth's surface	3.12×10^{-5} T
$\mathscr{M}_E$	Magnetic dipole moment of the Earth	8.07×10^{22} A m^2
$\dfrac{\mu_0 \mathscr{M}_E}{4\pi}$	Magnetic dipole parameter of the Earth	8.07×10^{15} T m^3