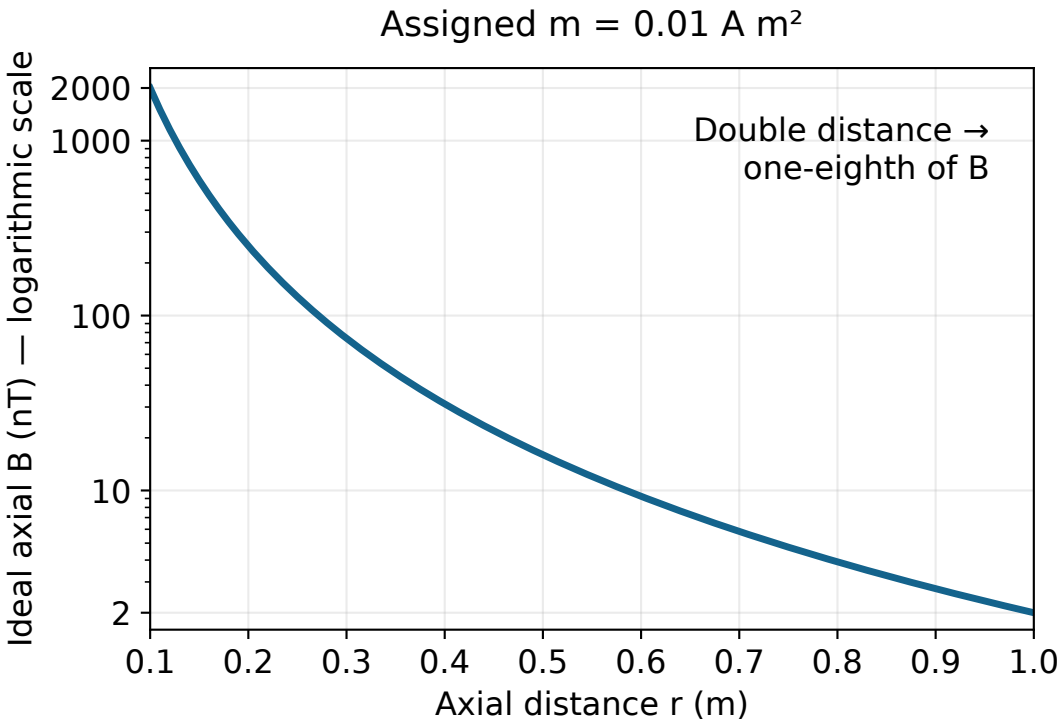
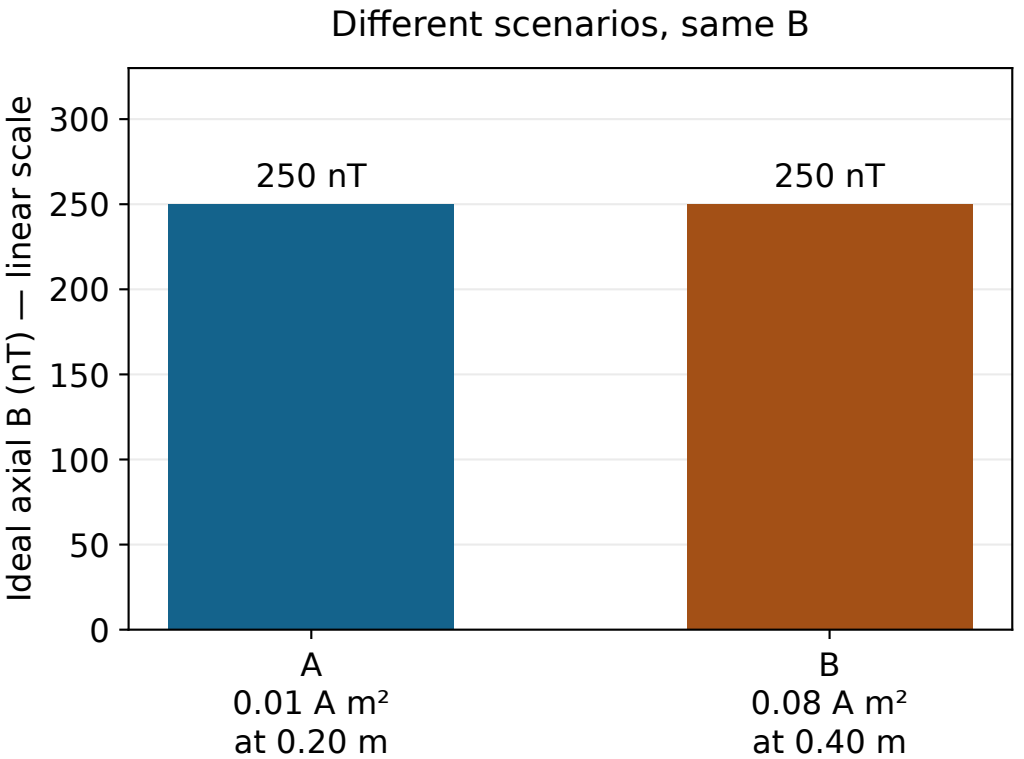
An ideal magnetic dipole
Distance matters; one reading is ambiguous





Teaching model, not a measurement or object identification.
$B = \mu_0 m/(2\pi r^3)$; $\mu_0 \approx 4\pi \times 10^{-7}$ H/m.
Ideal point dipole / far-field approximation, on its axis.
No finite geometry, background, noise, off-axis
or induced-magnetization effects are included.