

Errata

Page 45, equation (2.17) should read:

$$-qv_x B = -q |\theta_o| \ell \omega B \sin \omega t = m_i a_y$$

Page 74, equation (3.11) should read:

$$\vec{g} = -\frac{GM}{R_{>}^2} \left[\left(1 + \frac{3}{5}\eta + \eta \frac{\cos^2 \theta}{5} \right) \hat{r} - \frac{6}{5}\eta \sin \theta \cos \theta \hat{\theta} \right]$$

Page 78, equation (3.16) should read:

$$\Omega = -\omega_d \cos(\pi/2 - \alpha) = -\omega_d \sin \alpha$$

Page 129, the last equation should read:

$$emf_{12} = -\frac{\mu_o}{4\pi} I_1 \oint_{C_1} \oint_{C_2} d\vec{\ell}_1 \cdot d\vec{\ell}_2 \frac{d}{dt} \frac{1}{r_{12}} = \frac{\mu_o}{4\pi} (\vec{V}_1 - \vec{V}_2) \cdot \oint_{C_1} \oint_{C_2} \frac{(d\vec{\ell}_1 \cdot d\vec{\ell}_2) \hat{r}_{12}}{r_{12}^2}.$$

Page 152, the ninth line of Section 7.3.4 should read:

s^{-1} is the angular rotation of the earth relative to the fixed stars with a

Page 170, the last sentence before Eq. (8.8) should read:

Integrating Eq. (8.4) to obtain the gravitational force exerted by the shell on the internal particle yields:

Page 170, the first sentence below Eq. (8.8) should read:

This term would not appear with Newton's law of gravitation.

Page 208, the second line below the last equation should read:

vibration is inversely proportional to the square root of the gravitational mass of the test body, as observed