Errata, Fundamentals of Physics, Vol II Exapnded Edition, July 10, 2021)

- Page 77: Second para, last 3 lines should read ".. $10^{16}Hz$. In a good conductor any disturbance of charge equillibrium will be followed by oscillations at this frequency that get damped over a time $\tau \simeq 10^{-14}s$, the *mean collision time* (Eqn. 7.16). "

- Page 587 Exercise 1.15 line 3: should read ..$\mathbf{E}(r, \theta)$

- Page 604 Problem Set 6 covers Chapters 10 and 11.

- Page 607 Exercise 6.11"..spins at angular velocity ω about one..."

- Page 607 Exercise 6.18"..dragging the rod."

- Exercises 6.22-6.28 relating to Chapter 11 go with Problem Set 7.

- Page 609 Exercise 6.26 (i) Ignore end effects.

- Page 616 Exercise 8.15 (ii) "..will take you from this $\mathbf{A}$ to the gauge .."

- Page 619 Exercise 9.19 $d = 4 \times 10^{-4}m$

- Page 620 Exercise 9.21 "..5th non-central maximum $(m = 5)$

- Page 623 Exercise 10.7 (ii).."width θ of ..

- Page 625 Exercise 11.6 line below Eq. E.6: ..$P_l(z) = \frac{1}{2^l l!}$.. (the ! is missing)

- Page 632 Exercise 2.15 $T = 2\pi \sqrt{\frac{2Lm\varepsilon_0}{q\sigma_0}}$

- Page 633 Exercise 3.4 ... $- \mathbf{e}_\theta \left[\frac{\sin(r/a)\sin\theta}{r^4} \right]$

- Page 635 Exercise 3.31 $q^2 \rightarrow q$ in asymptotic forms.

- Page 638 Exercise 5.13 $- \rightarrow +$

- Page 640 Exercise 6.3. This is for $r > a$. For $r < a$ first term is $\frac{\mu_0 I r}{\pi a^2}$

- Page 641 Exercise 6.9 $\mathbf{E} = -v B_0 \mathbf{j}$

- Page 643 Exercise 7.5 "..when $\cos 1200\pi t = 0$.

- Page 645 Exercise 8.9 (ii) The $\frac{1}{2}$ in Eqn, 14.91 is absent because there is no time-averaging of $\mathbf{E}$ and $\mathbf{B}$.

- Page 647 Exercise 9.21 $t = 3\mu m$

- Page 649 Exercise 10.7 (ii) $\theta = \lambda/D$