Errata for Acoustics: Sound Fields, Transducers & Vibration (2nd ed.) by Leo Beranek & Tim Mellow, Nov 2020 onwards.

Updated February 12, 2024

P. 87, top left corner: After "Transformation Element", delete "If there are any drug dosages in this chapter, please verify them and indicate that you have done so by initialing this query.".

P. 117, Replace Eq. (35) with
$$\begin{bmatrix} \tilde{e} \\ \tilde{f} \end{bmatrix} = \begin{bmatrix} \dfrac{1}{j\omega C_E'} & \dfrac{1}{j\omega C_E' C_M} \\ \dfrac{1}{j\omega C_E' C_M} & \dfrac{1}{j\omega C_M'} \end{bmatrix} \begin{bmatrix} \tilde{i} \\ -\tilde{u} \end{bmatrix}$$

P. 151, Top of page: Replace heading with "**Tube of small diameter [0.0005 $\sqrt{l}$ <radius *a* (in meters)<0.002/$\sqrt{f}$][1]**".

P. 204, In 2nd row of Table 4.5: "R" in the right-hand analogous circuit should not be bold.

P. 204, In 3rd row of Table 4.5: Delete "Series resistance, R" but leave "Series resistance R".

P. 204, In 5th and 10th rows of Table 4.5: Replace "Resistance R_2" and "Conductance G_2" with "Resistance R, R_2" and "Conductance G, G_2" respectively.

P. 204, In 9th row of Table 4.5: Replace " $C_{M1} = \dfrac{\pi a^3}{\sqrt{6}\rho_0 c^2}$ " with " $C_{S1} = \dfrac{a}{\sqrt{6}\rho_0 c^2}$ ".

P. 206, In 3rd row of Table 4.6: Replace "Series resistance, R" with "Shunt resistance R" but leave "Series resistance R".

P. 307, Eqs. (6.82), (6.84), and (6.87): Replace "k" with "κ".

P. 308, Table 6.1, 2nd column heading: Replace "k" with "κ".

P. 308, Table 6.1, 4th column heading: Replace "$k\rho^2 w$" with " $\kappa\rho_w^2$ ".

P. 308, Eq. (6.88): Replace "k" with "κ".

P. 309, Eqs. (6.90), (6.93), and (6.94): Replace "k" with "κ".

P. 393, last line before 2nd equation: Replace "p.334" with "p. 380".

P. 434, 2nd line after Table 7.6: Replace "frequency f_0 if *below*" with "frequency f_0 is *below*".

P. 449, Eq. (8.3): Replace "1,7" with "1.7".

P. 506, equation preceding heading "6. *Horn*": Replace "4.99×10^{-12}" with "9.99×10^{-12}".

P. 507, near bottom of page: Replace "Eqs. (12.122) and (12.123" with "Eqs. (12.87) and (12.88)".

P. 508, middle of page: Replace "spherical cap from Eq. (12.120)" with "rectangular cap from Eq. (12.85)".

P. 522, Eq. (10.23): Replace " $\dfrac{n\pi c}{1/\sqrt{\gamma}}$ " with " $\dfrac{n\pi c}{l\sqrt{\gamma}}$ ".

P. 524, Eq. (10.33): Replace "$\dfrac{n\pi c}{1/\sqrt{\gamma}}$" with "$\dfrac{n\pi c}{l\sqrt{\gamma}}$".

P. 573, Eq. (12.59): Replace "$D(0)$" with "$D(\theta)$".

P. 576, Eq. (12.63): Move 2nd parenthesis to end of equation.

P. 584, Eq. (12.98): After "=", insert "−".

P. 664, Eq. (13.222): Replace "∞" with "N".

P. 680, Eq. (70): Replace "$m(m+1) - n(n+1)$" with "$n(n+1) - m(m+1)$".

P. 727, 2nd line after Heading 14.6: Replace "Eq. (2.147)" with "Eq, (2.160)".

P. 829, halfway down: Replace "432 N" with "432 N/m".

P. 848, Eq. (A2.101): Replace "$J_k(\alpha_{kn}) \neq 0$" with "$J_k(\alpha_{kn}) = 0$".

P. 850, Eq. (A2.110): Insert "2" before summation sign.