

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

Updated September 1, 2019

P.133, Eq. (3.82): Replace " C'_M " with " C'_E "

P.134, Eq. (3.90): Replace " C'_{ME} " with " C'_E "

P. 524, Eq. (12.138): Replace " $(2n - 1)(2n + 1)$ " with " $(2n - 1)(2n + 2)$ ".

P.350: Replace Eq. (7.12) with

$$Z_{AB} = \frac{z_{11}}{(\pi a^2)^2} = -j\rho_0 c \left\{ \frac{1}{L^2} \frac{\frac{Z_s}{\rho_0 c} + j \tan(\frac{1}{2} kL)}{1 + j \frac{Z_s}{\rho_0 c} \tan(\frac{1}{2} kL)} + \frac{k}{\pi^2 a^2} \sum_{m=0}^{\infty} \sum_{n=0}^{\infty} \frac{(2 - \delta_{m0})(2 - \delta_{n0})}{k_{mn}(n^2 + m^2) + \delta_{m0}\delta_{n0}} \right. \\ \left. \times J_1^2 \left(\frac{2\pi a \sqrt{m^2 + n^2}}{L} \right) \frac{\frac{k_{mn} Z_s}{k \rho_0 c} + j \tan(\frac{1}{2} k_{mn} L)}{1 + j \frac{k_{mn} Z_s}{k \rho_0 c} \tan(\frac{1}{2} k_{mn} L)} \right\},$$

P.661, last sentence: Replace "[46-48]" with "[49-51]"

P.671, Eq. (13.246): Replace " j^J " with " j^J "

P.732, Eq. (14.50): Replace " $-\omega^2$ " with " $+\omega^2$ "

P.736, Eq. (14.72): Replace " ${}_m\Psi_n$ " & " ${}_n\Psi_m$ "

P.763, Eq. (14.209): Replace " $\Gamma\left(\frac{r}{2} + \frac{r}{2}\right)$ " with " $\Gamma\left(\frac{r}{2} + \frac{1}{2}\right)$ "

P.764, Eq. (14.211): Replace both instances of " α_m " with " β_m "