

Architectural Acoustics Second Edition Errata

- 1) Page 57, Equation 2.37. The equation should read

$$\rho c^2 = - \frac{\Delta P}{(\Delta c/c)}$$

- 2) Page 230, Equation 6.32 should read:

$$\frac{\partial^2 \mathbf{p}}{\partial t^2} = c^2 \left[\frac{\partial^2 \mathbf{p}}{\partial x^2} + \frac{\partial^2 \mathbf{p}}{\partial y^2} + \frac{\partial^2 \mathbf{p}}{\partial z^2} \right] = c^2 \nabla^2 \mathbf{p}$$

- 3) Page 709, Equation 18.27 should be:

$$D_{\text{rel}}(\theta_n, \phi_n) \cong \left[\begin{aligned} & \left(D_{\text{vert}}(\psi_n = \theta_n) \sin \phi_n \right)^2 \\ & + \left(D_{\text{horiz}}(\zeta_n = \theta_n) \cos \phi_n \right)^2 \end{aligned} \right]^{\frac{1}{2}}$$

- 4) Page 328, Equation 8.51 should be:

$$\bar{t} = \frac{4 V}{c_0 S_T}$$

- 5) In Tables 19.9, 19.10, 19.11, 19.12, 19.13, 19.14, 19.16, and 19.17, replace:

S t with S_T

- 6) Substitute redrawn figures 3.29, 3.30, 3.33, 3.35, 4.12, 8.11, and 8.13 for those in the text.

- 7) In Table 19.9 the bottom equation of the center column should read

$$G_{\text{mid}} = 6.5 \text{ dB}$$

