

# ERRATA for FOURIER ACOUSTICS

- p. 11,  $F(k)$  missing from integrand on right of Eq. (1.60)
- p. 13, last line:  $B[f(ak\rho)] \rightarrow B[f(a\rho)]$
- p. 21, Replace  $A$  with  $B(\omega_0)$  in Eq. (2.27)
- p. 30, 3rd line of text should read “(in this case  $c_{x0}$  is subsonic and  $c_{y0}$  is supersonic)”
- p. 34, Last line of text: Replace  $g_p(x, y, z)$  with  $g_p(x, y, z - z')$ .
- p. 35, Change  $-\frac{1}{2\pi}$  to  $+\frac{1}{2\pi}$  in Eqs. (2.65), (2.66) and (2.67).
- p. 39, Eq. 2.79 is  $\approx r \left( 1 - \frac{xx'}{r^2} - \frac{yy'}{r^2} \right)$
- p. 55, Eq. (2.123) & last equation on p. 54:  $w \rightarrow \dot{w}, w^* \rightarrow \dot{w}^*$
- p. 59, line 4:  $H_0^{(1)}(ik_r r) \rightarrow H_0^{(1)}(ik_f r)$  & same in Eq. (2.145)
- p. 62, Eq. (2.155):  $f \rightarrow f_c$
- p. 68, Eq. (2.177) replace 4 with 2; Eq. (2.178) remove 2 in numerator; Eq. (2.179) replace 64 with 16.
- p. 79, Eq. below Eq. (2.193):  $W \rightarrow \dot{W}$
- p. 82, 2nd line above the Eq. on  $\Pi_s$ : “Fig. 2.38,”  $\rightarrow$  “Fig. 2.38),”
- p. 106, 4 lines up from bottom replace  $|k_x| > 2\pi/a$  with  $|k_x| > \pi/a$ .
- p. 120, 1st line below Eq. (4.34):  $n = 0, 1, 5.$   $\rightarrow$   $n = 0, 2, 5$ . Caption of Fig. 4.4: same
- p. 127, Caption of Fig. 4.8: rapping  $\rightarrow$  wrapping and strips  $\rightarrow$  stripes
- p. 130, 6th line: smaller that  $\rightarrow$  smaller than
- p. 140, Eq. above Eq. (4.94):  $|g''(z0)| \rightarrow R|g''(z0)|$
- p. 147, divide right-hand-side of Eqs. (4.109) and (4.110) by  $2\pi$ .
- p. 148, Problem 4.1, line below second equation: “coefficients.”  $\rightarrow$  “coefficients,”
- p. 189, 3rd line above Eq. (6.36): “in  $m$ .”  $\rightarrow$  “in  $n$ .”
- p. 189, remove  $r$  from Eq. (6.36).
- p. 189, Add a note at page bottom: “Note when  $|m| > n, P_n^m(x) = 0$ .”
- p. 200, Eq. (6.81): 3rd line,  $\rho \rightarrow \rho_0$
- p. 202, Eq. (6.88):  $r' = 0 \rightarrow \vec{r}' = 0$  and also on p. 203.
- p. 218, Eq. (6.144):  $\dot{w}(a, \theta, \phi) \rightarrow \dot{w}(b, \theta, \phi)$

p. 227, in Eq. (6.175) replace  $\sum_{n=-m}^m$  with  $\sum_{m=-n}^n$ .

- p. 231, Eq. (6.202): right-hand side,  $(a, \theta\phi) \rightarrow (a, \theta, \phi)$
- p. 233, Problem 6.18, last equation:  $(a, \theta) \rightarrow (a, \theta, \phi)$
- p. 234, Problem 6.18 (d), 1st and 2nd lines below Eq: “in parts (1) and (3)”  $\rightarrow$  “in parts (a) and (c)”
- p. 237, Eqs. (7.9) and (7.10):  $\rho \rightarrow \rho_0$
- p. 241, Eq. below Eq. (7.30):  $Y_q^{p*}(\Omega_i) \rightarrow Y_q^p(\Omega_i)^*$  and elsewhere on page.
- p. 244, Eq. before Eq. (7.43) should have a  $4\pi$  under the square root sign.
- p. 284, in Eqs. (8.119) and (8.120) replace

$$\frac{J_n(k_m \rho')}{J_n(k_m a)} \quad \text{with} \quad \frac{J_n(k_m \rho_{<})}{J_n(k_m a)} [J_n(k_m \rho_{>}) Y_m(k_m a) - J_n(k_m a) Y_n(k_m \rho_{>})].$$

- p. 284, in Eq. (8.120) replace  $\cos(m\pi)$  with  $m \cos(m\pi)$ .
- p. 286, in Eq. (8.133) there should be a minus sign before the first square bracket.

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