Aeroacoustics of Low Mach Number Flows: Fundamentals, Analysis and Measurement, by Stewart Glegg and William Devenport, Academic Press, 2017.

List of corrections

Chapter	Page	Correction
2	22	Equation at bottom of page should read $H - H_o = -\partial\phi/\partial t \equiv H'$
	23	Equation 2.5.8 numerator in last term should be μ not ν
	27	Equation 2.6.11 $\mathbf{v}.\mathbf{n}$ should be $\mathbf{v}.\mathbf{n}^{(o)}$
	41	Equation 2.7.29 should be $\zeta = \frac{1}{2}\left(z + \sqrt{z^2 - a^2}\right)$
	44	Inequality in the last sentence, first paragraph should read $R > a/2$
4	75	Equation 4.1.4 T_{ij} should be $\rho v_i v_j - [(p - p_\infty) - (\rho - \rho_\infty)c_\infty^2]\delta_{ij} - \sigma_{ij}$
	77	Last term on RHS of Equation 4.2.4 should be $w_i w_j$ not $w_j w_j$
	81	Equation 4.3.10 should be $G_o(\boldsymbol{x}, t\|\boldsymbol{y}, \tau) = \frac{\delta(t-\tau-\|\boldsymbol{x}-\boldsymbol{y}\|/c_\infty)}{4\pi\|\boldsymbol{x}-\boldsymbol{y}\|}$
	84	Equation 4.4.9, second term on RHS should read $\left[\frac{\partial T_{ij}}{\partial\tau}\right]_{\tau=\tau^*}\left(\frac{\partial\tau^*}{\partial x_i}\frac{\partial}{\partial x_j}\left(\frac{1}{r}\right) + \frac{\partial}{\partial x_i}\left(\frac{1}{r}\frac{\partial\tau^*}{\partial x_j}\right)\right)$
	85	Equation 4.4.12 should be $I_r \propto \frac{\rho_\infty U^8 V^2}{(4\pi\|\boldsymbol{x}\|)^2 c_\infty^5 L^4}\left(\frac{x_i x_j}{\|\boldsymbol{x}\|^2}\right)^2$
	91	Equation 4.7.6: q on RHS should be a function $\mathbf{y}$ not $\mathbf{x}$, i.e. $q(\mathbf{y}, t)$
	92	Second paragraph: missing superscript (o), $\left\|\boldsymbol{k}^{(o)}\right\| = \omega/c_\infty$ and two lines below "less than" sign should be $\|\boldsymbol{k}\| \leq \omega/c_\infty$
8	173	The horizontal axes in Fig. 8.3A and 8.3B should be labelled t and τ, respectively
9	204	Paragraph after eqn. 9.2.9, first instance of "the incremental increase in" should be deleted
9	216	Equations 9.2.31, 32 and 33, C_1 should be replaced with C_2
10	254	Line 23 should begin $\omega\nu/u_\tau^2 = 1$
	256	L' in Fig. 10.34 should be L_{eff}
11	281	Equation 11.4.7 should read $\langle\tilde{a}_m\rangle = \frac{\Delta t}{2\pi} DFT^*(a_n, m)$ RHS of equation 11.4.9 should read $\frac{2\pi}{\Delta t} IDFT(\langle\tilde{a}_m\rangle^*, n)$
	283	The factor $1/2\pi$ in line 14 should be $T_o/2\pi$
	285	Equation 11.5.4 is missing and should be inserted as, $\tilde{c}(\omega) = \frac{1}{2\pi}\int_{-\infty}^{\infty} a(\tau)\int_{-\infty}^{\infty} b(t')e^{i\omega(t'+\tau)}dt'd\tau = \frac{1}{2\pi}\int_{-\infty}^{\infty} a(\tau)e^{i\omega\tau}d\tau \int_{-\infty}^{\infty} b(t')e^{i\omega t'}dt' = 2\pi\tilde{a}(\omega)\tilde{b}(\omega)$
	290	Equation after first paragraph: integral should be multiplied by $1/T_o$
12	303	Equation 12.1.6 should be $\phi_m = k\left((m-1)\Delta x - \frac{1}{2}L\right)\sin\theta_s$
	314*	The definition of $w_m^{(j)}$ in equation 12.2.13 should read $w_m^{(j)} = \frac{e^{-ik\mathbf{x_m}.\mathbf{y_j}/r_o}}{M}$

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	317*	The definition of $\mathbf{G}$ in equation 12.2.15 should be conjugated, i.e. $\mathbf{G} = \left[\tilde{G}\left(\mathbf{x}^{(m)}\middle\vert\mathbf{y}^{(n)}\right)\right]^*$, as should the expression for $\mathbf{W}$ given in the line before equation 12.2.18, i.e. $\mathbf{W} = \left[w_m^{(j)}\right]^*$
14	354	First term of exponent on RHS of equation 14.1.1 should be multiplied by i
	355	Equation 14.2.1 should appear as $\tilde{p}(\mathbf{x},\omega) \approx -\frac{i\pi\omega x_2 e^{ik_o r_e - ik_o M x_1}}{c_\infty r_e^2}\Delta\tilde{\tilde{p}}(k_1^{(o)}, k_3^{(o)}, \omega)$ where $k_1^{(o)} = k_o\left(\frac{x_1}{r_e} - M\right)$ and $k_3^{(o)} = \frac{k_o x_3 \beta^2}{r_e}$
	362	Equation 14.4.1 should appear as two separate expressions: $\tilde{\tilde{\mathbf{u}}}(\mathbf{k}) = i\mathbf{k}\times\tilde{\tilde{\boldsymbol{\omega}}}(\mathbf{k})/\lvert\mathbf{k}\rvert^2$ where $\tilde{\tilde{\boldsymbol{\omega}}}(\mathbf{k}) = \frac{1}{(2\pi)^3}\int_V \boldsymbol{\omega}(\mathbf{y})e^{-i\mathbf{k}.\mathbf{y}}dV$
15	388	Equation 15.4.16, exponent should be positive Below equation 15.4.17, k_1 and k_3 should have negative signs in the definition of $\boldsymbol{\kappa}$ Two lines after equation 15.4.19 the inequalities should read $\lvert k_1\rvert \ll \lvert k\rvert$ and $\lvert k_3\rvert \ll \lvert k\rvert$, and the end of this sentence should read "indistinguishable from the negative of k_1 and k_3"
	390	The first expression in the line below equation 15.4.24 should be $\kappa_i \approx -k_i$
	392	Just above equation 15.4.30 the equality should read $\boldsymbol{\kappa} = -\mathbf{k}$ The right hand side of equation 15.4.30 should be positive

Corrections without an asterisk on the page number were incorporated into electronic copies of the book distributed by Elsevier after mid 2018.