Corrections to Notes on compressible flow

1. p. 1 bottom: $\Phi = \int \phi dV$.
2. p. 2: Eqn. (12) should read $\int p\nabla \cdot \mathbf{u} dV = -\int \rho e \mathbf{u} \cdot \mathbf{n} dS - \int \frac{\partial \rho}{\partial t}(\rho e)' dV$.
3. p. 2 The terms in (15) should $= 0$.
4. p. 4: In (26) $R\frac{dv}{v}$.
5. p. 5: In (30) and (31), ϕ should be Φ.
6. p. 6: After (39), "In particular if c_p, λ, μ are known...".
7. p. 9: (64) should read $(c^2 - u^2)u_x + (c^2 - v^2)v_y - uv(v_x + u_y) = 0$.
8. p. 9: (65) should read $(c^2 - \phi_x^2)\phi_{xx} + (c^2 - \phi_y^2)\phi_{yy} - 2\phi_x\phi_y\phi_{xy}$.
10. p. 14: (92) should read $p = p_0 + c^2\rho' + \frac{c^2(\gamma-1)}{\rho_0}\frac{(\rho')^2}{2} + \dots$.
11. p. 14: After (92) $c^2 = \gamma k \rho_0^{\gamma-1}$.
12. p. 20: (131) should read $x = -a\frac{\gamma+1}{2}t_0 t + c_0 t + \frac{a\gamma}{2}t_0^2 - c_0 t_0$.
13. p. 21: (132) should read

$$t_0 = \frac{1}{a\gamma}\Big[c_0 + a\frac{\gamma+1}{2}t - \sqrt{\big(c_0 + \frac{\gamma+1}{2}t\big)^2 + 2a\gamma(x = c_0 t)}\Big].$$

14. p. 21: (139) should read as in correction 8 above.