

Using Eq. 8.5, and accounting for the simplification of Eq. 8.6, argue how the introduction of rear inflow can help re-balance a squall line in a state of less-than-optimum shear ( $c > \Delta u$ ). Your argument will be facilitated by letting  $\Delta u^2 = u_{r,0}^2$  (see the errata, in which it is also noted that Eq. 8.9 should be  $c^2 = 2 \int_0^d -B_L dz$  ).