

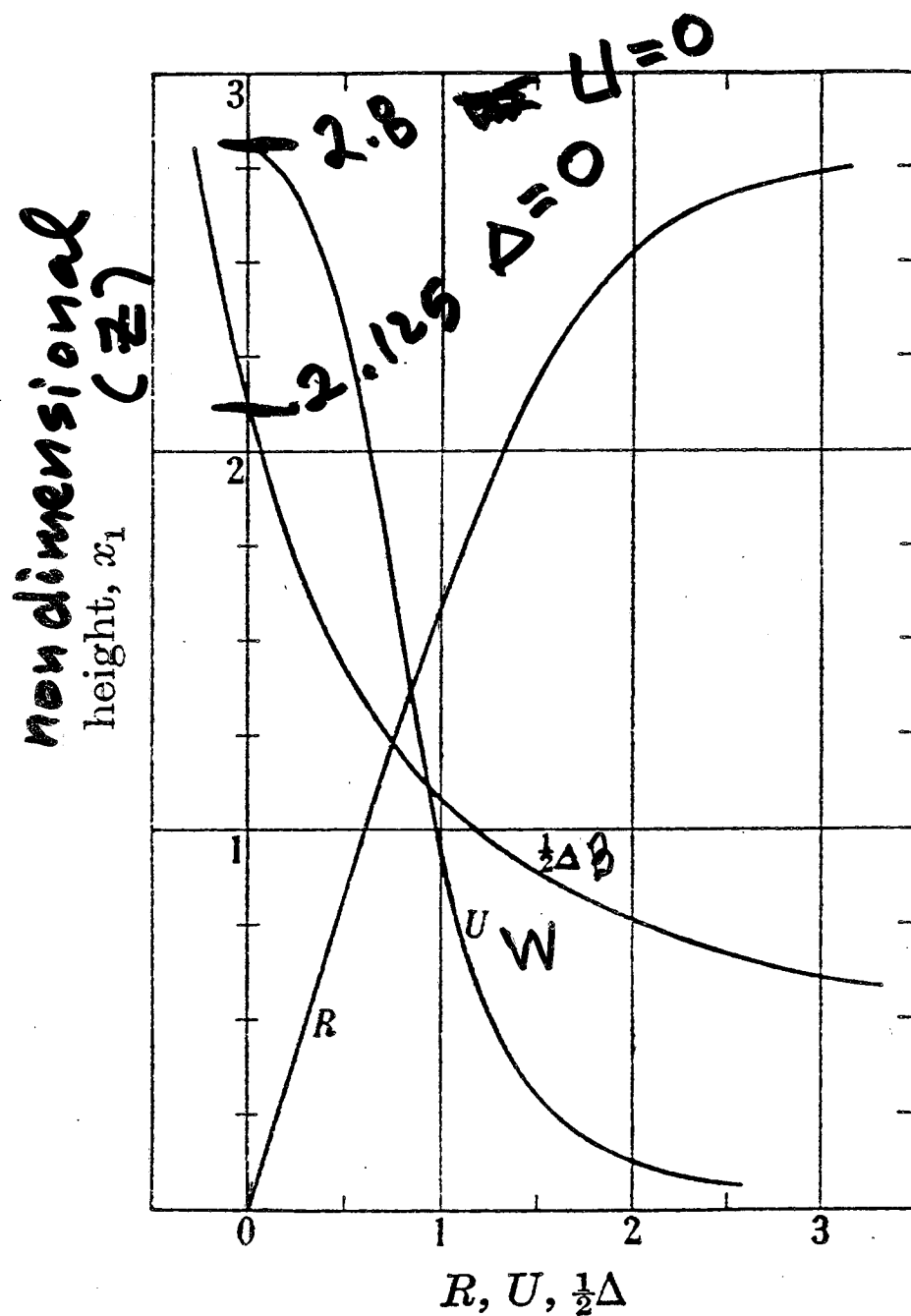


Fig. 2.7 The height dependence of the dimensionless forms of the horizontal extent (R), vertical velocity (U), and buoyancy (Δ) for a turbulent plume in a stably stratified ambient fluid. [(After Morton, Taylor, and Turner (1956).)]

$R = \text{non-dim. } R$
 $U = \text{non-dim. } U$
 $\Delta = \text{non-dim. } \Delta$