Ch. 11 Examples 11.1 d= 6.617-mm d= 0.984 m F= (5.00 m) g $E = F/A = \frac{(6.00 \text{ m})(9.8 \text{ m/s})/(0.617 \text{ mm} \times 10^{-3}/2)^2 \text{ M}}{1.30 \text{ mm} \text{ g} \times 10^{-3}/0.98 \text{ m}}$ = 1.99 x10" P/m2 y=3.00 x103 m p=1.025 x103 Wyn3 $P = P_0 - pgy = -(1.025 \times 10^3 \text{ W/m}^3)(9.8 \text{ m/m})(-3.00 \times 10^3 \text{ m})$ $= 3.01 \times 10^7 \text{ pax latar} = [2.97 \times 10^2 \text{ m/m}]$ = 101325 pa11.3 h= 76.0 cm P(4) - Po - 199 Po- Ply) + pgy = (13534 Wy/23)(9-8 7,5) (0.76m) 100801 Pa Scale height = Po hs = 101325 1a = 8015 m 11.5 Ply)= Poe - Po 99

Pd-14 - Poe - Po 99

Psouth (10128PD) (10132PD) (0.50%-)(1600m)) /8 = 0.82 (nr smill = A = (2000 h) (2.8 m) (0.65 m) (0.65 m) (2.8 m) = 1544 N



