Geostrophic Adjustment

Energy Considerations

Energy Considerations PEJunitarion $= \int_{0}^{\infty} pg Z dZ$ $= \int_{0}^{\infty} pg(N)^{2}$

PE/intavoa=

ntime my. 5m compate the APE= (PJMo togtog(n)de (M-1+2e)

restronic · Apull A=3 AUM KEI per unit y = 25 ± p(H+n)(=1/2) = 1/4 H=2)(3 W/H dx H(20)2.10-2. H(Gh) (2)

KEL= ApgaM2 OPE=3XKE Note: 2 = 9 + 42 Tomsients 27449 -4n,5gnW 4120/MMV)

Creneral solution Mist satisfy I.C. $N(t=0)+N_{steady}=N_{0}sqh/x$ $N(t=0)=-N_{exp}-|x|^{2}sgh(x)$ USMA (Steady = - N 591(4) 5 no exp [- 1/4] (-1, exp)-14

Equation about (3/slides earlier) can have wavelike Solutions: n'exp?i(kxtly-wt)}

2 (4) C Poincouré Waves