Internal waves in the 2-layer madel.

Roppel shollair-unler:

ecorlant quisi 2d
$$\sqrt{\omega} = 0$$
, $\sqrt{2}$, $\sqrt{2} = 0$

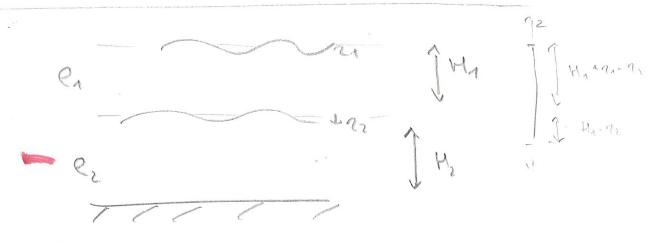
$$\int_{V_{+}}^{V_{+}} U_{x} + V_{y} - \int_{V}^{V_{+}} V = \frac{P_{x}}{e}$$

$$V_{+} + UV_{x} + VV_{y} + \int_{V}^{U} V = \frac{P_{y}}{e}$$

consorrow do 12 mass:
$$\nabla \cdot \vec{v} = 0$$
 $\left[\frac{\Omega_z}{\Omega_v} = \omega I_v\right]$

with 2 loyers:

naisée interne en milier bicarde.



* pression dans chaque concle:

A gradient de pression:

$$\frac{100^{1}}{210^{2}} = \frac{P_{100}}{e_{1}} = \frac{9}{9} \frac{P_{100}}{100^{2}} = \frac{P_{100}}{e_{2}} = \frac{P_{100}}{e_{1}} = \frac{P_{100}}{e$$

on définit la grovilé réduile: = Eggna + (1-8) 9 222

$$g' = (1 - \frac{e_1}{e_2})g = \frac{P_{ex}}{e_2} = g'_{21x} + (g - g')_{21x}$$

on to obbiskimstim [3>>3,

c-s-d
An -wiA
An -wiA
An -wiA

on doine les équations des maneur pret * [Vitt + Bun + gant = un + B [Bun - gan] + gant = 0 Univ + 82 61 = - 98 min - 9 mint NIN + BN = 3800 - 3 BANA - allow - about By me that I al na - 3 may B = w2 - 9 Per - 9 Pert - 9 Pert A SS comments of SS c on complex dus l'équation de continuité: 711-72+ + My (-glowy-grand) + My (glowy-grand) =0 251 + H3 (-3pussan-2nuss) + H3 (3laint 22194 - 20511) -0

17-11-291 + H1 [-9 Prod - 9 Prays] = 0 Pol + R-2 [98/ml - 98/49/ - 98/2021 - 98/2017 1 0 on simplifie le de de de de la ville proces de la maria della mari $\left[\left(1 + \frac{8}{9} + \frac{1}{9} \right) \right]$ - $2^{3} = 0$ B=m3 [k3+P]0,+[1+ g'H2 (k3+B3)] 22 = 0 délouviront ent: [Bin + gHz K? [Bin + gHz] 4 gHz k2 (B3. w3) = 0 (B--2)2+(gHzR2+gHzR2+gHzR2)(B--2)+ggHzHzK2=0 déland 1 = (gHk2)2 - 4 gg HaHak4 = Kh (gH - 4gg Hada) Solutions :

82-12 = 94163 + K2 Vg211-494 H101, oner on brende signe

Dec ou previor side

\[\langle g^2 H^2 - \langle g_j H_1 H_2 = g' H' \langle A - 2 g' \frac{H_1 H_2}{g H^2} \right]

mode parocline:
$$w_c = b^2 + \frac{g^2 H_1 H_2}{4} K_3$$

Relation entre élevation das la Memadre browline: 1 of Hills J 30 ... 170. B3-m3 = - 2, M4 M3 K3 7- 100 $= \frac{n_2}{713}$ Si 2i = 10m $\rightarrow -7i = 1.4 cm$ la tore en sufre des ondes intères est B256.

Vilesse du molo boiochne: $U_1 = (U_1^2 + V_1^2)^{1/2} = -\frac{C}{H_1} R_2 \left(A + \int_{U_2}^{1} \right)^{1/2}$ $U_2 = (U_1^2 + V_1^2)^{1/2} = \frac{C}{H_2} R_2 \left(A + \int_{U_2}^{1} \right)^{1/2}$ on peul observer que $U_1 M_1 = -U_2 M_2$ = pos do loupair rol!

dant brown

Y i

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