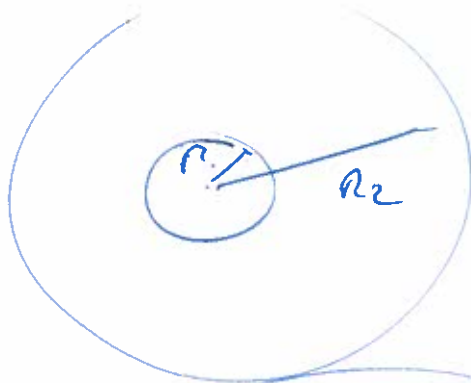


Coman type Comé problem

11



$$\eta = \frac{r_1}{r_2}$$

choose $R_1 = 1$ so

we can do $R_2 \rightarrow \infty$; $\eta \rightarrow 0$

but Coman seems to
base it on R_2 : $\eta \in (0, 1)$
in his eqn (1).

"problem in box"

$r = \eta^{-1}$

$\Gamma =$ $\underline{u} = 0$ $\omega = \frac{\partial \omega}{\partial r} = 0$

$\underline{u} = -v_1 \underline{e}_r$ $\omega = \frac{\partial \omega}{\partial r} = 0$

BUT NOTE THAT COMAN ~~ASS~~

ASSUMES $v_2 \neq 0$; $v_2 > 0$

!!

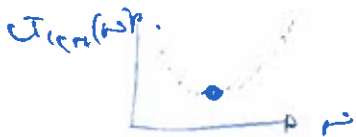
$$U_1 = \frac{U_1^* L}{h^2}$$

(2)

EVP for box

$$N = N(U_1)$$

& eqns ~~are~~ in
box or box
of h !



\Rightarrow universal N

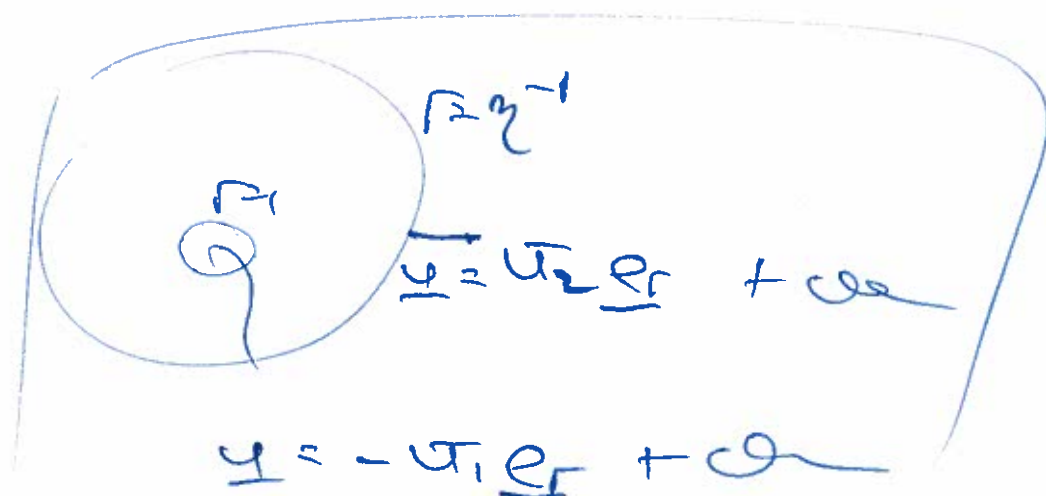
& winkleif when $U_1^* = \frac{h^2}{L} U_{crit}$

winkleif occurs earlier for smaller h .

what if we have pre-stress
as in canon; $U_2^* \neq 0$

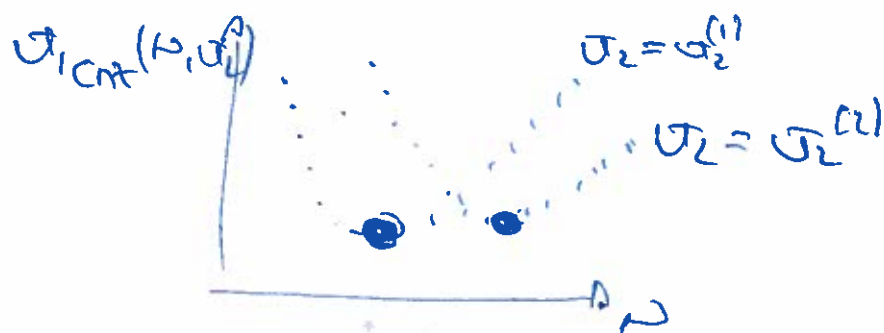
(3)

Box:

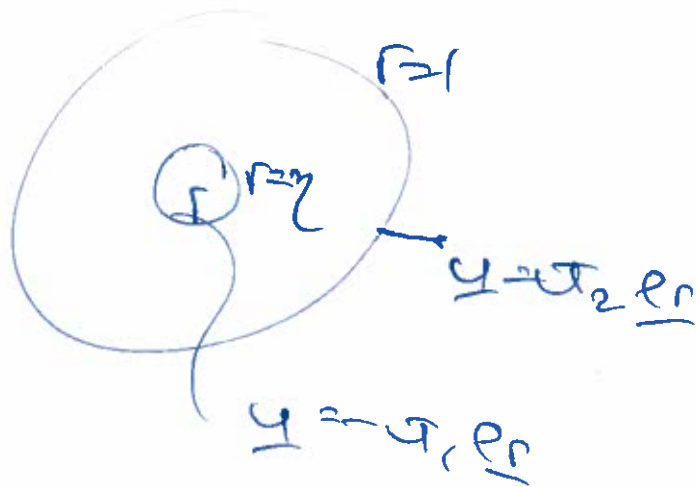


now EVF contains $U_2 = \frac{U_2^* L}{h^2}$

as param.



ACT: choose $R_2 = R_{\text{outer}} = f$ 4



EVP contains $u_2 = \frac{u_2^* f}{h^2} = \frac{u_2^* R_{\text{outer}}}{h^2}$

$\Rightarrow N_a = N_c(u) = N\left(\frac{u_2^* R_{\text{outer}}}{h^2}\right)$

consistent with Conner & Dondouker
~~but~~ but they show color
 functional dependence is, too.

!