11/28/23

Example:

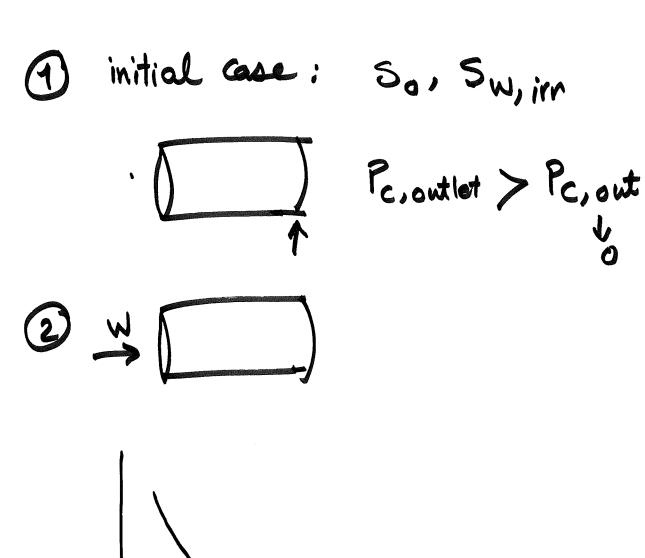
R=200 psi ~ 13800000 dynes/cm²

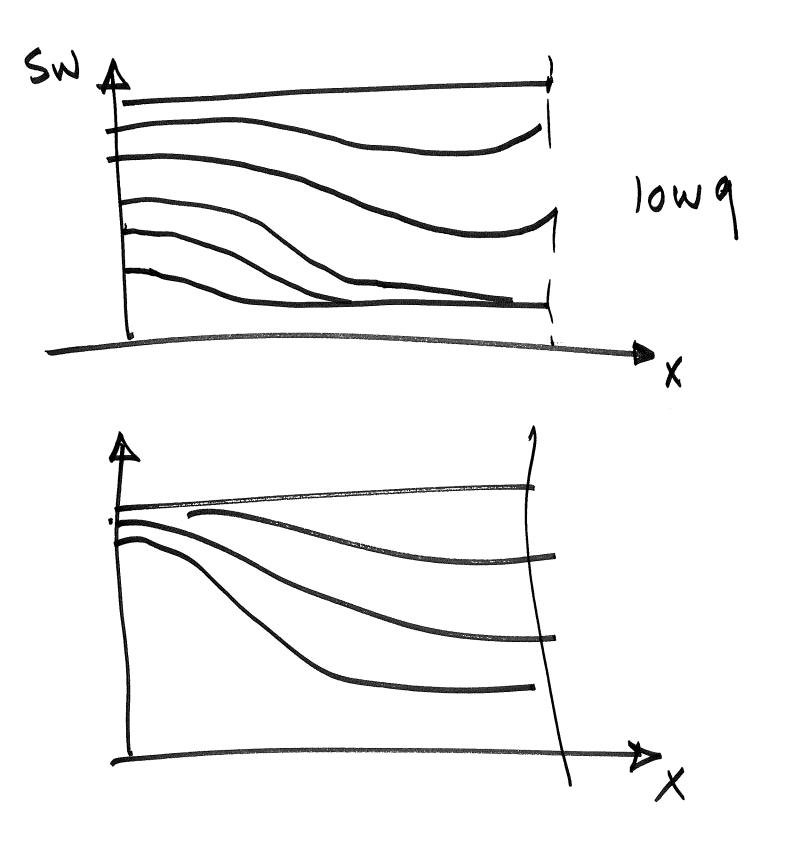
50W = 25 dynes/cm , 0 ~0

$$P_{c} = \frac{25 \cos \theta}{r}$$

$$= r = \frac{25 \cos \theta}{P_{c}} = \frac{2(25)}{13800000}$$

Pain Swin Swin				
N			N3,	
0 vg				
Mod (2) in dynastem.			d Sway	
3 78			- W	
S %, % S		•		
3	•	•		
Speed 1	•	•		(2)







FWL
$$\rightarrow$$
 8900 ft
 $\alpha = 1$
 $M = 1.89$
 $n = 1.92$
 $T@ 8800 ft = 250 F$
 $P_{W} = 64 16/ft^{3} = 1.025 g/cm^{3}$
 $P_{HC} = 22 16/ft^{3} = 0.35 g/cm^{3}$

Rw = 0.025 2.m

$$R_{t} = R_{w} \frac{\Delta}{\Phi^{m} S_{w}^{n}}$$

$$R_{t} = 0.025 \frac{1}{(0.23)^{1.89} (0.4)^{1.92}}$$

$$R_{t} = 2.33 \text{ 1.m}$$

$$D = 8700 \text{ ft}$$

$$Z = \frac{144 P_{c}}{\Delta \rho}$$

$$8900 - 8700 = \frac{144 P_{c}}{64 - 22}$$

$$P_{c} = 58.3 \text{ Psi}$$

$$l_{N-situ}$$
 $5 = 50 \text{ dynes/cm}$, $0 = 0$
 l_{O} $5 = 72 \text{ dynes/cm}$, $0 = 0$

$$\frac{\left(\frac{P_{e}}{2}\right)_{2}}{5,\omega so,} = \frac{\left(\frac{P_{e}}{2}\right)_{2}}{5z \omega so_{2}}$$

$$\frac{58.3}{50} = \frac{(P_e)_2}{72} \Rightarrow (P_e)_2 = 83.95$$