POM-3

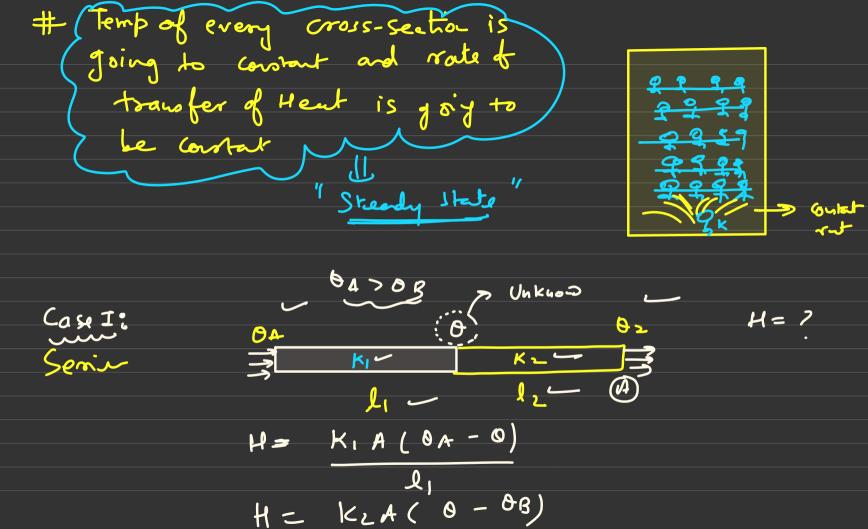


	4

: + 7 med " (mostly-

01702 Conduction: « An Area of cross sedion

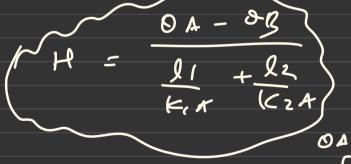
Loss sedion M & I wo legte to Her Steady State Coefficient & thermal londuhicity
(This depends of maternal)



$$\frac{H l_1}{F_1 K} = 0A - 0B - 0B$$

$$\frac{H l_2}{ICLA} = 0A - 0B - 0B$$

$$H \left(\frac{l_1}{ICLA} + \frac{l_2}{ICLA}\right) = 0A - 0B$$



SI abe :

-- Du kn

0,

$$H = \frac{(0 - 0)}{\frac{2}{|c|}} + \frac{1}{|c|} + -\frac{1}{|c|}$$

$$\frac{\partial A}{\partial A} = \frac{1}{|c|} + \frac{1}{|c|}$$

$$\frac{\partial A}{\partial A} = \frac$$

for Sano Sizo Slab
$$l_1 = l_1 = l_1$$
 $K_{0} = \frac{2 l_1}{k_1 + \frac{l_2}{k_2}} = \frac{2 k_1 k_2}{k_1 + k_2}$

for hore Slabs:

 $K_{0} = \frac{l_1 + l_2 + l_3}{l_2 + l_3}$
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Sane Slabs

Sane Slabs

Study
$$H = \begin{pmatrix} 0A - 0B \end{pmatrix} + \begin{pmatrix} 1A_1 + 1C_2 A_2 + k_3 A_2 \\ A - 1A_3 \end{pmatrix}$$

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Coublishon

find tuo 0 p - 0 s) Kq (A1+h)

$$kq = k_1 + k_1 + k_2$$

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$$i \oint_{A_1 = A_2 = A_1} for Sup$$

$$kq = k_1 + k_2$$

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$$kq = k_1 + k_2$$

$$kq = k$$

Frustum: (4ent toansfer)

$$\frac{\partial x}{\partial x} = \frac{b-a}{x}$$

$$H = K\pi^2(\theta - \theta - d\theta)$$

$$H = K\pi^2(-d\theta)$$

$$H \int \frac{dx}{\sqrt{2}} = k\pi \int_{(-d^{0})}^{0B} (-d^{0})$$

$$H \int \left\{ \left(\frac{dx}{\sqrt{b-a}} \right) + c \right\}^{2} = lc\pi \left(-0 \right)_{0A}^{0B}$$

$$H \iint \left\{ k\pi + a \right\}^{-2} d\pi$$

$$= -lc\pi \left(0B - 0A \right)$$

$$-(H) \left(\frac{b-a}{n+a} \right) \left(\frac{b-a}{b-a} \right) = \frac{1}{b-a} = \frac{1}{b-a}$$

$$\frac{Hf}{(b-a)}\left(\frac{1}{a}-\frac{1}{b}\right)=|c_{\pi}|(0+-o_{B})$$

$$\frac{Hl}{hk}$$
 $\left(\frac{h-4}{ah}\right)$ $\left(\frac{h-4}{ah}\right)$ $\left(\frac{h-4}{ah}\right)$

$$\frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1$$

Cylindrical Shell: > OB a

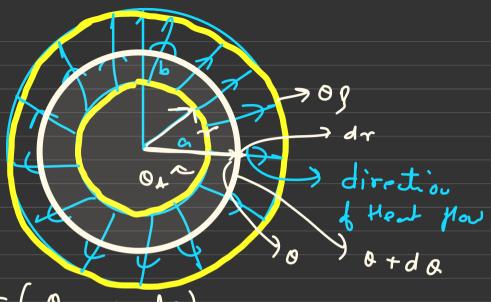
> 03 (0-0-do) dr OB

$$H\left(h\left(\frac{1}{a}\right) = -k \cdot 2k l \left(8\right)_{G_{A}}^{O_{G}}$$

$$Hhh \frac{1}{a} = k \cdot 2k l \left(0 + -08\right)$$

$$\frac{1}{a} = 2k \cdot 2k l \left(0 + -08\right)$$

Sphenical shell:



$$H = K \frac{4\pi^2 (0 - o - do)}{d\tau}$$

$$\int \frac{d\tau}{\tau^2} = 4\pi K \int -da$$

$$H\left(-\frac{1}{7}\right)_{\alpha}^{b} = 4\pi I \left((04 - 08)\right)$$

$$H\left(\frac{1}{7} - \frac{1}{6}\right) = 4\pi I \left((04 - 08)\right)$$

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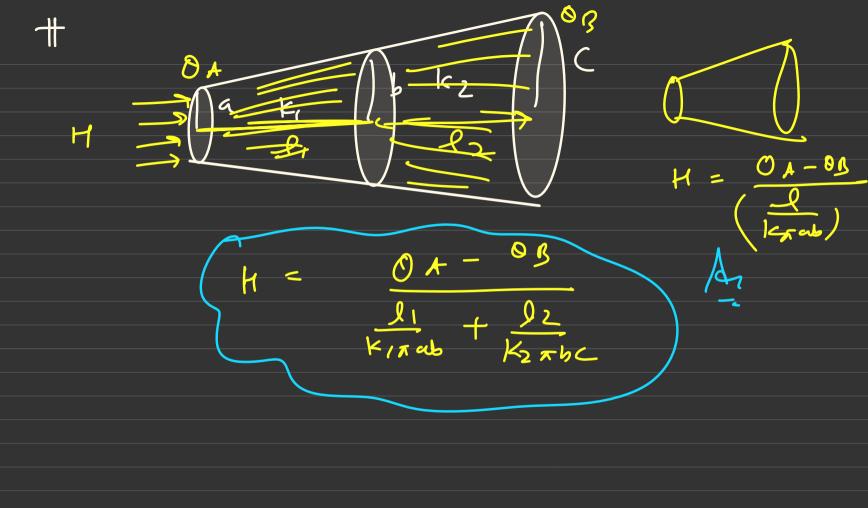
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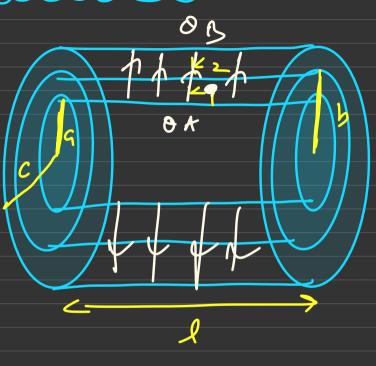
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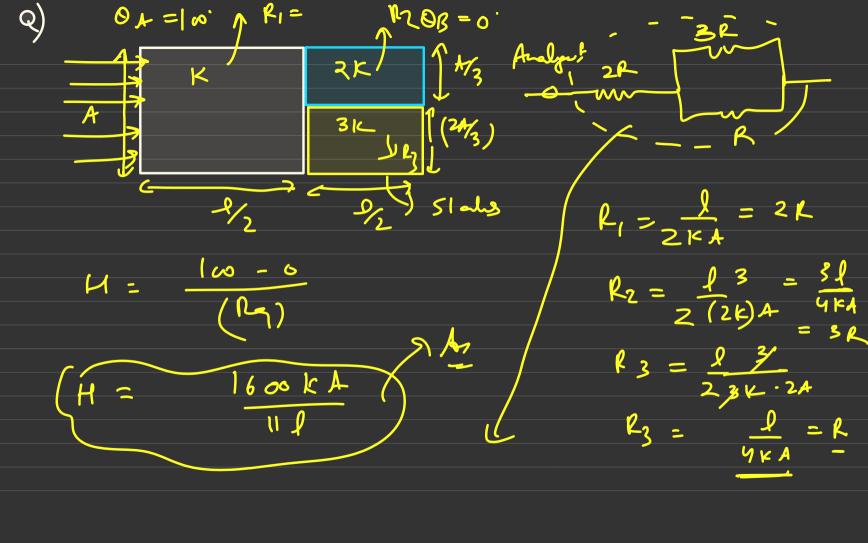
$$H\left(\frac{1}{7} - \frac{1}{6}\right) = 4\pi I \left((04 - 08)\right)$$

ohm's laws >VB On 01 UA-UB O 15) KA (ILA Ren'sava fo slat = H = 0 4 - 0 1 Rq



for two concertric cylindrical Shells:





k, th K,A,8 8 100 H = 4, + H2 10-8=20 0 = 33.3.

K-Variable:

$$k = ko \left(1 + \frac{k}{a}\right)$$
 $k = ko \left(1 + \frac{k}{a}\right)$
 $k = ko \left(1 + \frac{k}{a}\right)$

$$\exists Hl \left(h \left(1 + h \right) \right)^{l} = |coah \left(-o \right)^{0l}$$

$$\exists Hl \left(h \left(2 \right) - o \right) = |coah \left(0 + -o k \right)|$$

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$$Hl \left(h \left(2 \right) - o \right) = |coa$$

House work!