

22 Apr 19 (1)

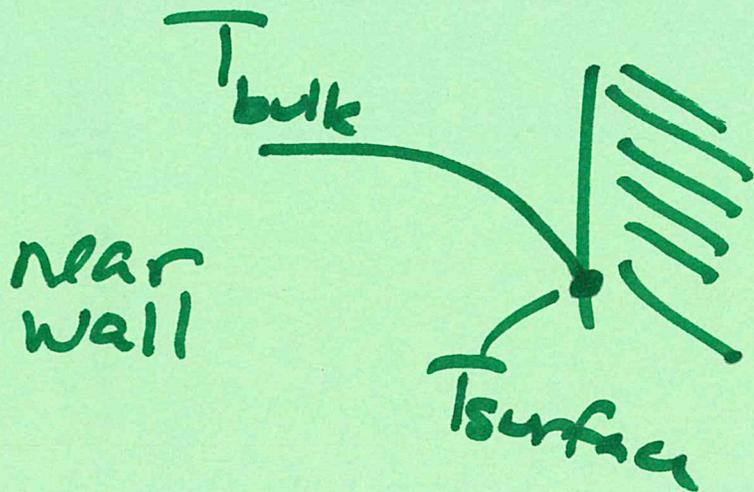
What is the difference  
between these two  
heat transfer coefficients?

heat  
x fin  
between  
phases

$$= h$$

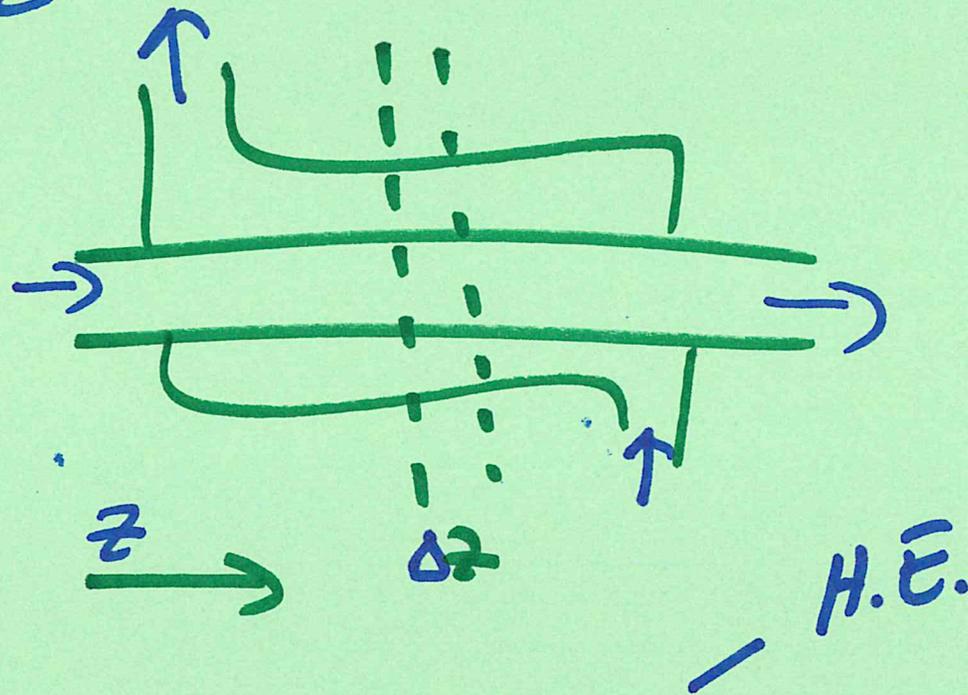
$$Q = U A (\Delta T_{lm} F_T)$$

(device)  $\Delta T_m$



entire  
device

Double  
Pipe  
H.E.



With Heat Exchangers, we arrived  
at  $\Delta T_{lm}$  by performing balance on  
a slice. We assumed  $U$  was const.

For  $K_G, K_L$  we do something similar.  
overall mass xfer coef