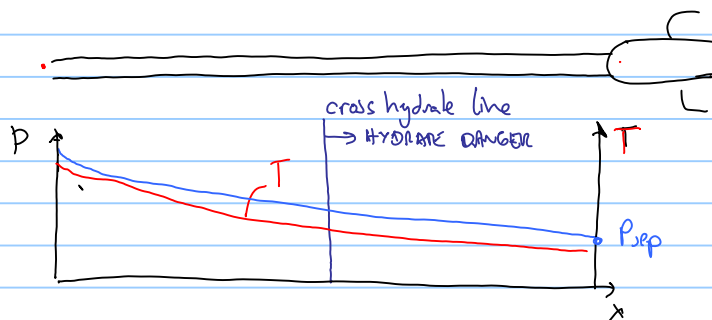
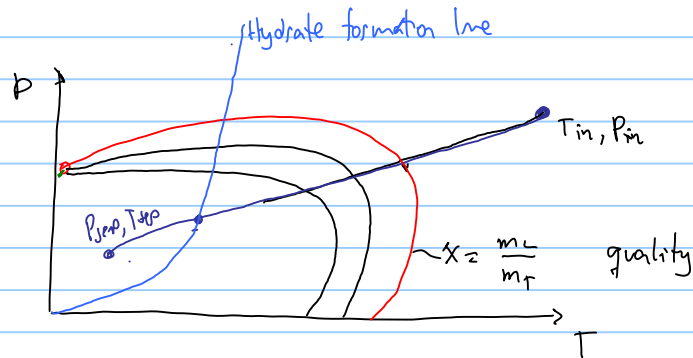


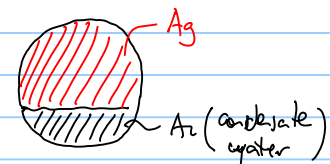
- Introduction to exercise set 5 - problem 1



Hysys process simulator typically used for topside facilities Not very good for $\frac{dP}{dx}$ in

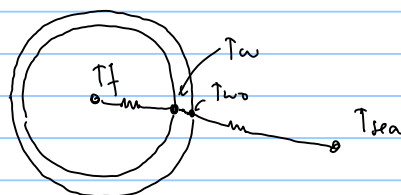
pipe with multiphase
flow
gas
condensate
water

Liquid Holdup

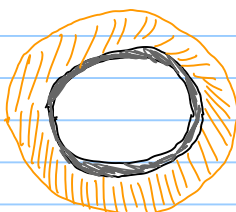


$$H_L = \frac{A_L}{A_g + A_L} \rightarrow [0-1]$$

naked pipe



insulated pipe



T_{sea}