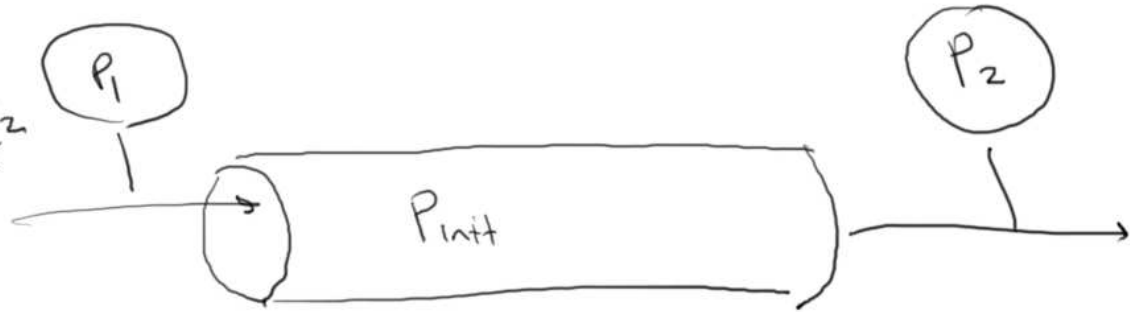


Example

$$\frac{\partial p}{\partial t} = \frac{1}{\alpha} \frac{\partial^2 p}{\partial x^2}$$



$$p(x, 0) = p_{init} = 0.0$$

$$p(0, t) = p_1 = 1000.0 \text{ psi}$$

$$p(L, t) = p_2 = 0.0$$