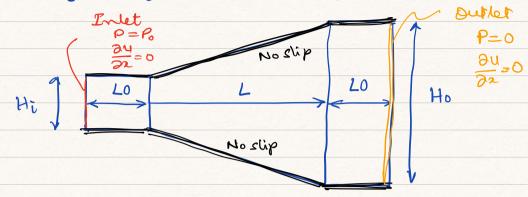
Flow in a diverging channel

The system geometry is as given below



- · Use icofoam to solve for flow.
 - · For a given geometey: use a St that gives a stable flow and a mesh that is fire enough to that the flow is mesh independent.
 - · For a fires geometry use different values of P. to obtain ΔP versus from rate curves for the flow.
- · For a fixed value of Po use different values

 of Hi to study how the flow sate varies.

 Use a large enough value of Po so that Re>>1

 but one flow is larning.
- · Obtain speamlines for the frow and check. for boundary layer separation.

Note: Solve only for laminar flow.

p in the finaletrous is P/p.