

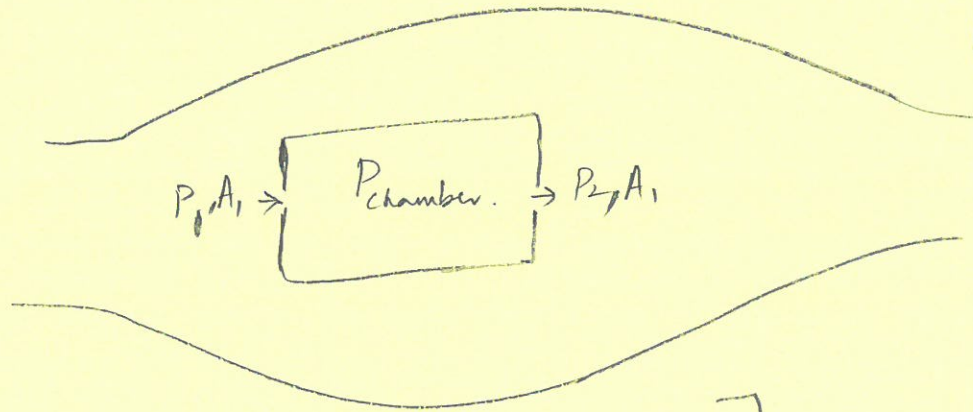
Steady state

A_1 = Inlet area
 A_2 = outlet area

P_1 = Inlet pressure

P_2 = outlet pressure

P_c = P_{chamber}



$$P_{\text{chamber}} = \left[\frac{A_1}{(A_1 + A_2)} * (P_1 - P_2) + P_2 \right]$$

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