



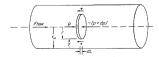
**Dubai Campus** 

# Incompressible flow in pipes and channels

Eldhose lype

January 6, 2020



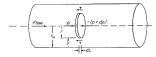




Applying momentum balance for the disc shaped fluid element

$$\frac{dp}{dL} + \frac{2\tau}{r} = 0$$



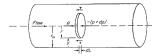


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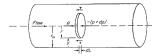
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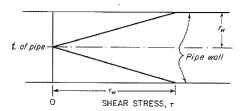
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