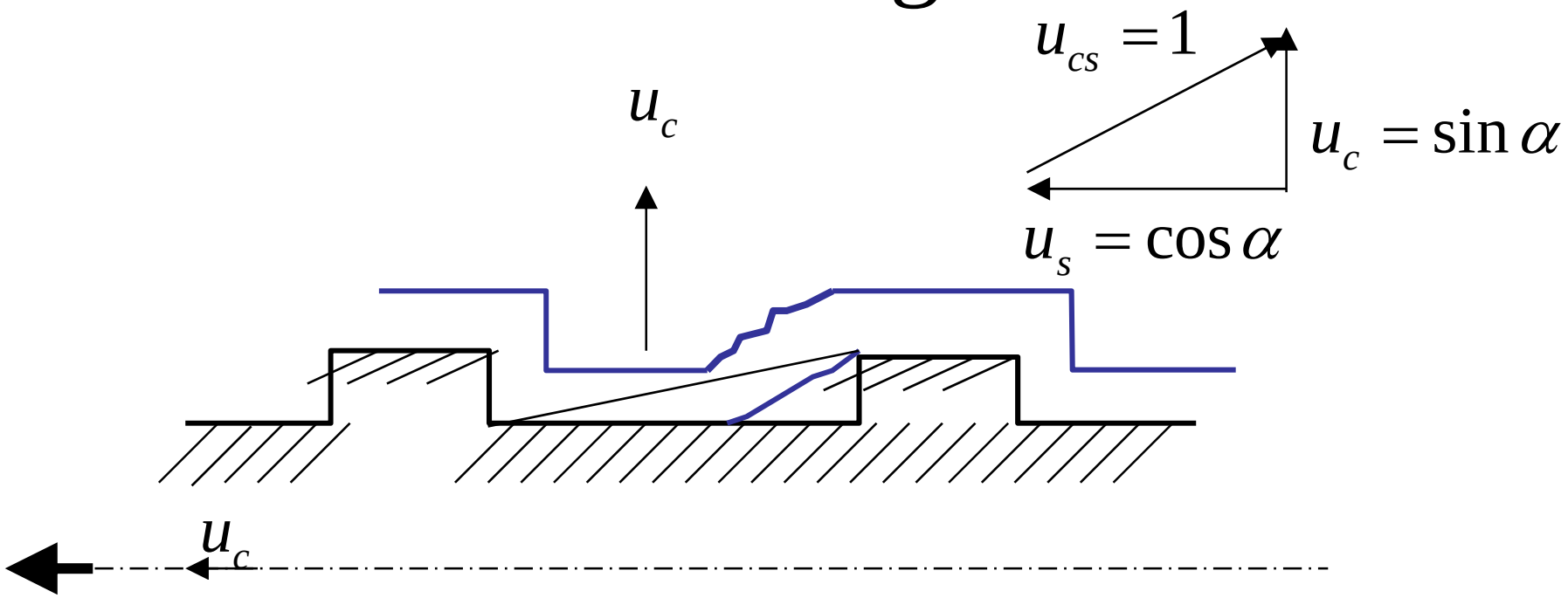
Bond Strength

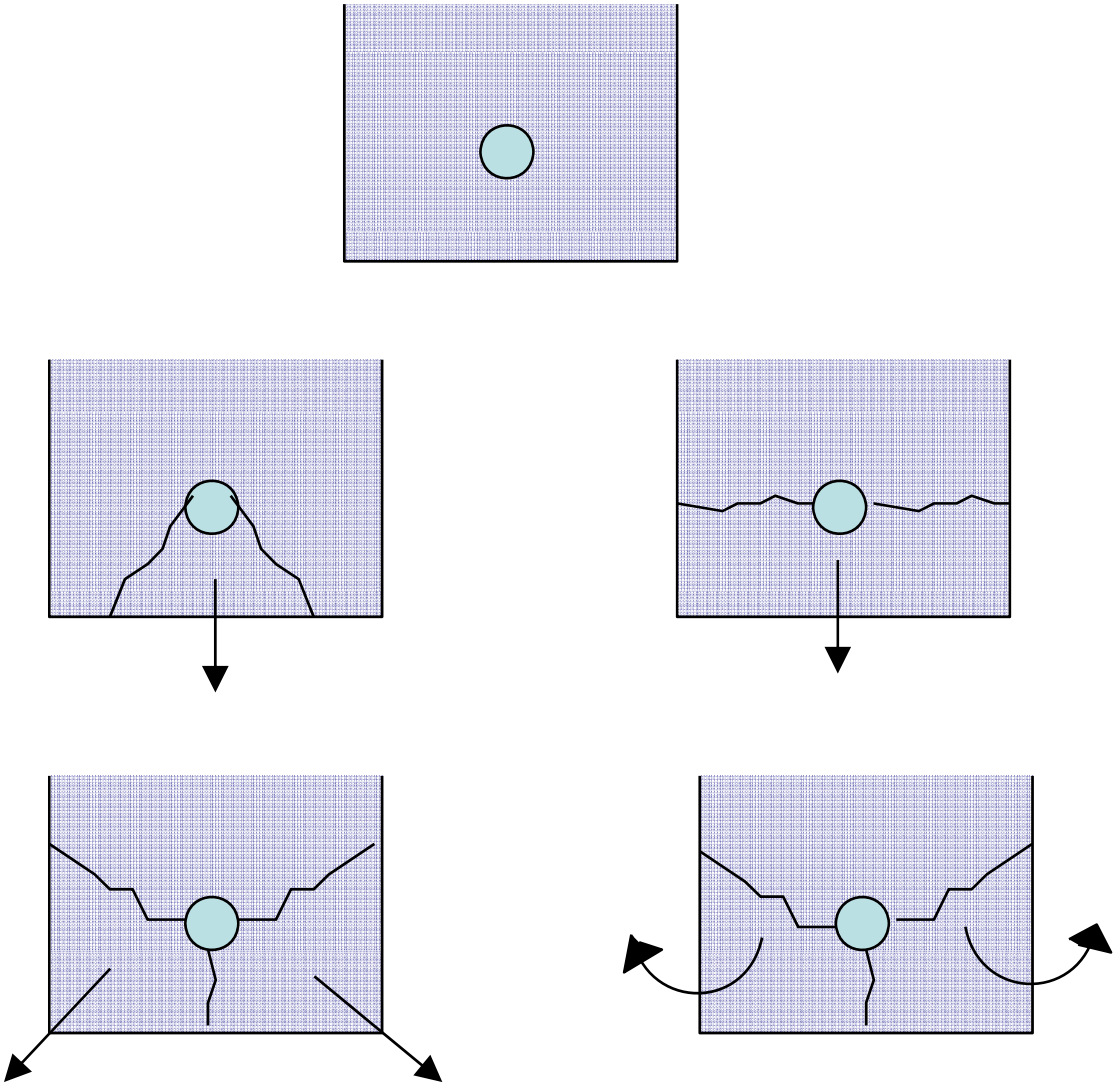
- Local Bond Strength
- Failure Mechanisms in Sections
- Effect of Transverse Reinforcement

Local Bond Strength Models



$$\frac{\tau}{f_c} = \frac{P}{\pi dlf_c} = \frac{L}{\pi dlf_c \cos\alpha} + \frac{S}{\pi ndlf_c \cos\alpha} + \frac{B}{\pi ndlf_c \cos\alpha}$$

Failure Mechanisms



Closing Remarks and Future Topics

- Compatibility based Upper bound Solutions
- Ultimate Deformation Estimation Models
- Application to Composite structures
- How to handle Brittle Failures : Fracture mechanics
- Bond Strength applications