

SNS COLLEGE OF TECHNOLOGY

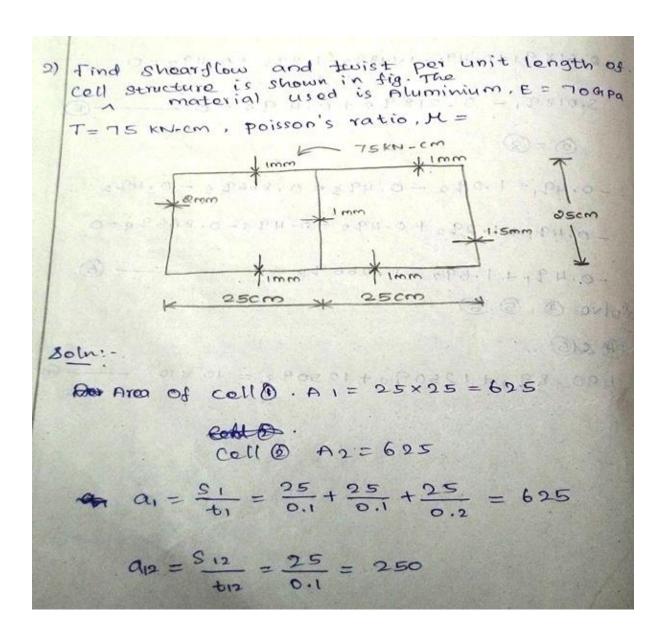
(An Autonomous Institution)



DEPARTMENT OF AEROSPACE ENGINEERING

Subject Code & Name: 19AST203 Aircraft Structural Mechanics

TOPIC: Shear flow in single and multicell under bending with walls effective



$$a_{2} = \frac{a_{2}}{d_{2}} = \frac{25}{0.05} + \frac{25}{0.1} + \frac{25}{0.11} = 666.66$$

$$0 = \frac{1}{6000} \int q \frac{ds}{db}$$

$$for cell 0,$$

$$2GO_{1} = \frac{1}{h_{1}} \left[q_{1}a_{1} + (q_{1} - q_{2})a_{12} \right]$$

$$2GO_{1} = \frac{1}{625} \left[625q_{1} + 4/666.66q_{1} - 666.66q_{2} \right]$$

$$2GO_{1} = \frac{1}{625} \left[1291.66q_{1} - 666.66q_{2} \right]$$

$$2GO_{1} = \frac{1}{625} \left[1291.66q_{1} - 666.66q_{2} \right]$$

$$2GO_{2} = \frac{1}{h_{2}} \left[q_{2}a_{2} + (q_{2} - q_{1})a_{12} \right]$$

$$2GO_{2} = \frac{1}{625} \left[375q_{1} - 250q_{2} \right]$$

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$$2GO_{1} = 1.4q_{1} - 0.4q_{2}$$

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$$2GO_{2} = \frac{1}{h_{2}} \left[666.66q_{2} + 250q_{2} - 250q_{1} \right]$$

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2902 = 1 [916.66 92 - 25091] 2902 = 1.492 - 0.49, 210012-012+2012 1 10 = 606

