

SNS COLLEGE OF TECHNOLOGY

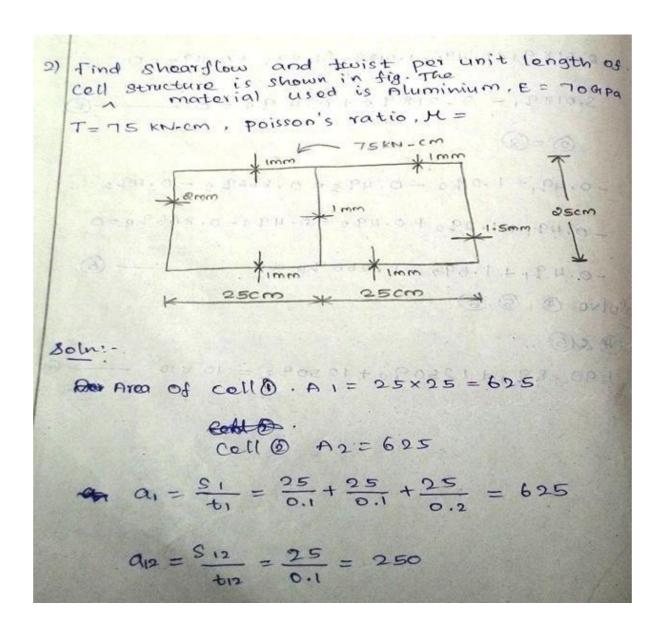


(An Autonomous Institution)

DEPARTMENT OF AEROSPACE ENGINEERING

Subject Code & Name: 19AST203 Aircraft Structural Mechanics

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



$$a_{2} = \frac{a_{2}}{d_{2}} = \frac{25}{0.05} + \frac{25}{0.01} + \frac{25}{0.01} = 666.66$$

$$0 = \frac{1}{4000} \int q \frac{ds}{dt}$$
for cell 0,
$$200_{1} = \frac{1}{625} \left[425q_{1} + 4666.66q_{1} - 666.66q_{2} \right]$$

$$200_{1} = \frac{1}{625} \left[4291.66q_{1} - 666.66q_{2} \right]$$

$$200_{1} = \frac{1}{625} \left[1291.66q_{1} - 666.66q_{2} \right]$$

$$200_{1} = \frac{1}{625} \left[1291.66q_{1} - 666.66q_{2} \right]$$

$$200_{2} = \frac{1}{42} \left[1291.66q_{2} - 666.66q_{2} \right]$$

$$200_{2} = \frac{1}{625} \left[1291.66q_{2} - 666.66q_{2} \right]$$

$$200_{3} = \frac{1}{625} \left[1291.66q_{3} - 666.66q_{2} \right]$$

$$200_{4} = \frac{1}{625} \left[1291.66q_{4} - 666.66q_{2} \right]$$

$$200_{4} = \frac{1}{625} \left[1291.6q_{4} - 666.66q$$

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