

SNS COLLEGE OF TECHNOLOGY

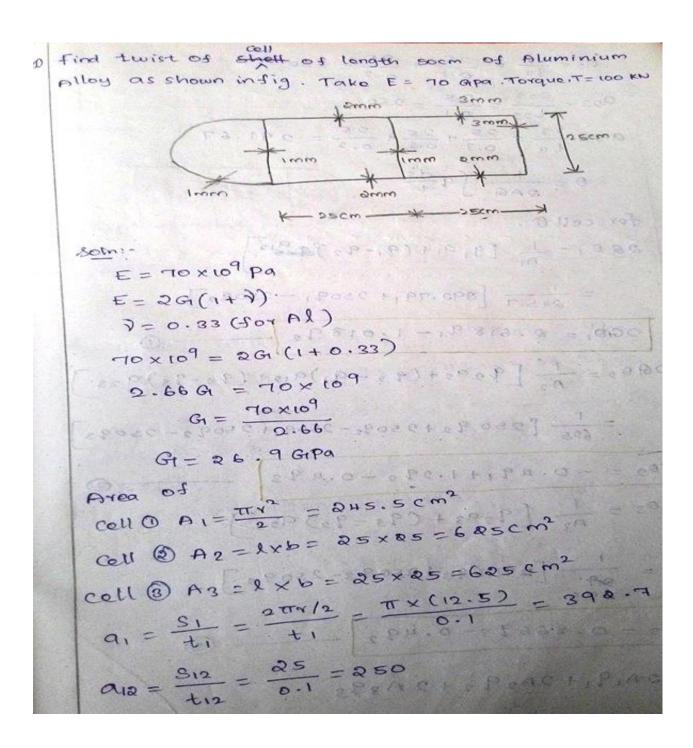


(An Autonomous Institution)

DEPARTMENT OF AEROSPACEENGINEERING

Subject Code & Name: 19AST203 Aircraft Structural Mechanics

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



$$Q_{3} = \frac{80}{t_{2}} = \frac{25}{0.2} + \frac{25}{0.2} = 250$$

$$Q_{3} = \frac{523}{t_{23}} = \frac{25}{0.1} = 250$$

$$Q_{3} = \frac{53}{t_{23}} = \frac{25}{0.3} + \frac{25}{0.2} = 241.67$$

$$Q_{4} = \frac{1}{246} \int q \frac{ds}{ds}$$

$$Q_{5} = \frac{1}{245.7} \left[q_{1} + (q_{1} - q_{2}) q \frac{q_{1}}{q_{2}} \right]$$

$$Q_{6} = \frac{1}{245.7} \left[q_{1} + (q_{1} - q_{2}) q \frac{q_{1}}{q_{2}} \right]$$

$$Q_{6} = \frac{1}{250} \left[q_{2} + q_{1} + q_{1} + q_{2} + q_{2} \right]$$

$$Q_{6} = \frac{1}{250} \left[q_{2} + q_{2} + (q_{2} - q_{1}) q_{12} + (q_{2} - q_{2}) q_{23} \right]$$

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$$Q_{6} = \frac{1}{250} \left[q_{2} + q_{2} \right]$$

$$Q_{6} = \frac{1}{250} \left[q_{2} + q$$

100 × 103 × 102 = 8 × 245.7×9,+ 2×625×92+ 2×625×93 10×106 = 490.8 9,+125092+125093 Assume 01 = 02 = 03 = 0 (0 = (0) Q. 61891-1.01892 = -0.491+1.292-0.493 2.618 9, +0.49, -1.018 92 -1.292 +0.492 =0 3.0189, - 2.21892+0.493=0-0 = 3 -0.49,+1.292-0.493=0.86693-0.492 -0.491+1.292+0.492-0.493-0.86693=0 -0.491+1.692-1.26693=0 Solve A, B, O (A) &(S). 490.891+125092+125093 = 10 x 106

