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MACHINE DESIGN AND SHOP PRACTICE PROBLEMS SET 1 1. This radial distance in a gear is measured between the addendum and dedendum circle, and is the sum of the addendum and the dedendum? How do you call this distance? a) Addendum c) Working depth. 5. 6. b) 209.5 cm<sup>4</sup> d) 205.9 cm<sup>4</sup>. 3. Solution: This minimum distance is measured between the non ...

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numerical solution. d. Start again with the initial element mesh, however, using now 8-node quadrilateral elements. Exercise 9.3 Figure 9.3 shows a disc with a central hole. r z Figure 9.3: Disc with a central hole and variable thickness. The disc has an outer radius of 0.5 m and a uniform thickness of 0.05 m. It rotates with an

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