



QUIZ 4

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Problem: The 50-mm diameter shaft ABC is supported by two journal bearings, while the 60-mm diameter shaft EH is fixed at E and supported by a journal bearing at H. If the angle of twist at gears A and C is required to be 0.04 rad, determine the magnitudes of the torques T_1 and T_2 . The shafts are made of A-36 steel. ($G_{A-36} = 80 \text{ GPa}$)

