

Vibration Mechanics Hw #2

(Free Vibration of SDOF Systems)

Issued: Tue. Mar. 07 2023

Due: Thu. Mar. 23 2023 18:00

10 Points each, total 110 points

1. Rao P. 2.7 natural frequency calculation
2. Rao P. 2.16 natural frequency calculation
3. Rao P. 2.23 natural frequency calculation
4. Rao P. 2.40 natural frequency calculation
5. Rao P. 2.46 Equation of motion
6. Rao P. 2.87 Torsional vibration
7. Rao P. 2.90 Torsional vibration
8. Rao P. 2.93 Torsional vibration
9. Rao P. 2.106 Rayleigh method
10. Rao P. 2.130 Viscous free vibration
11. Rao P. 2.140 Equation of motion