

# **Vibration Mechanics Hw #3**

## **(Harmonically Excited Vibration)**

10 Points each. Total 90 Points.

Issued: Tue. Mar. 19, 2024

Due: Fri. April 12, 2024

1. Rao P. 3.16 Forced response of an undamped system
2. Rao P. 3.25 Forced response of an undamped system
3. Rao P. 3.38 Forced response of a damped system
4. Rao P. 3.45 Forced response of a damped system
5. Rao P. 3.47 Forced response of a damped system
6. Rao P. 3.55 Response of a system under the base harmonic motion
7. Rao P. 3.75 Rotating unbalance
8. Rao P. 3.92 Coulomb damping
9. Rao P. 3.97 Other types of damping