

Vibration Mechanics Hw #3

(Harmonically Excited Vibration)

10 Points each. Total 90 Points.

Issued: Tue. Mar. 14, 2023

Due: Fri. April 07, 2023

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| 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 |