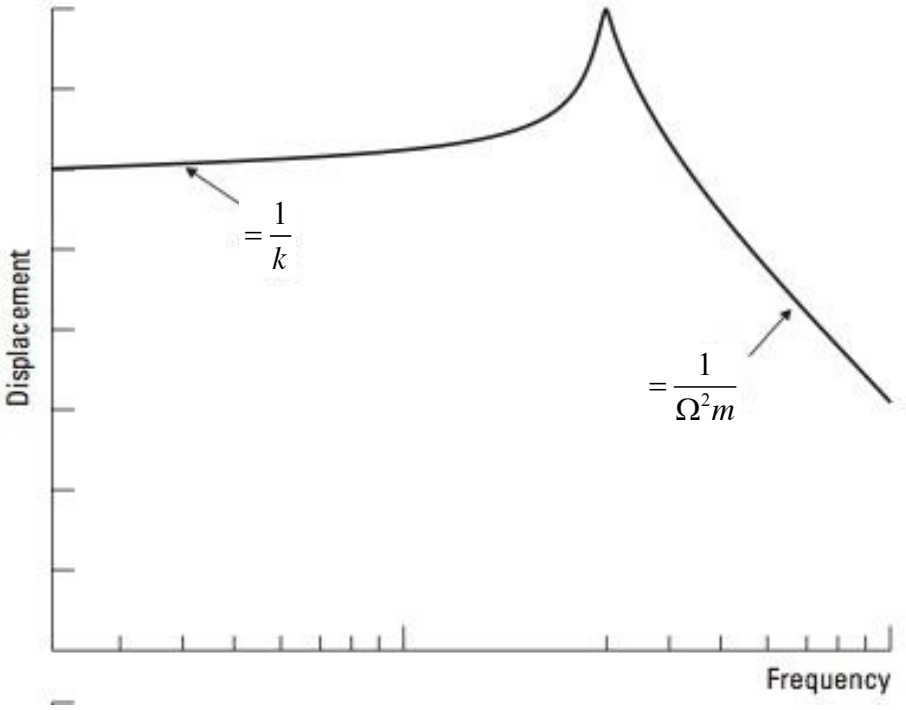
Handout #11

Structural Dynamics of a Single Degree of Freedom (SDOF) System.



Definition	Response	Variable
Compliance	$\frac{X}{F}$	$\frac{\text{Displacement}}{\text{Force}}$

- Ω<< Ωn: stiffness line slope = 0
- Ω>> Ωn: mass line slope = -2

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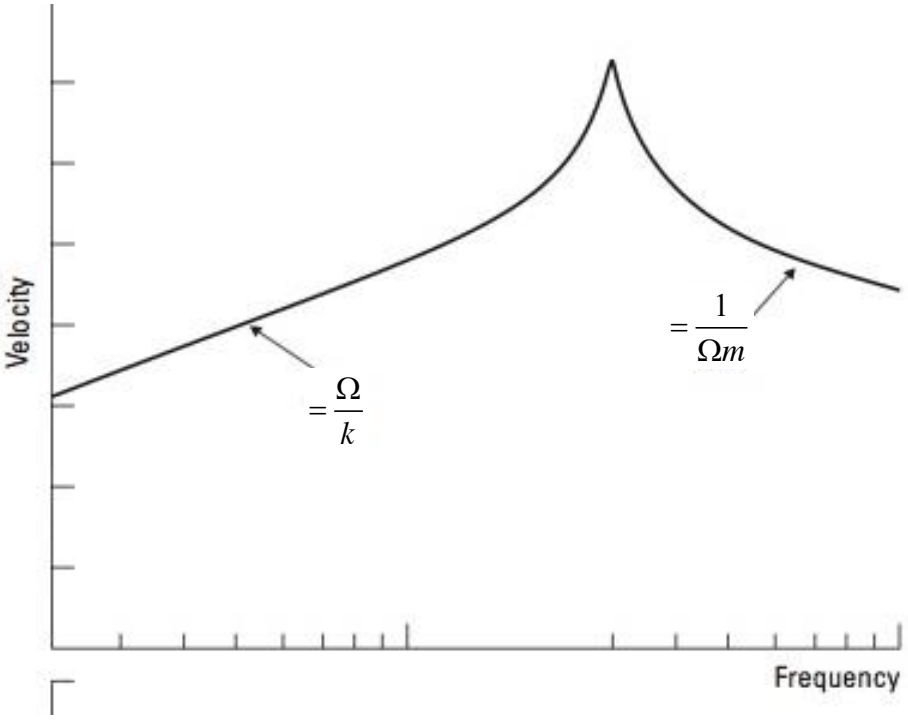
Handout #12

Structural Dynamics of a Single Degree of Freedom (SDOF) System.



Definition	Response	Variable
Mobility	$\frac{V}{F}$	$\frac{\text{Velocity}}{\text{Force}}$

- Ω<< Ωn: stiffness line slope = -1
- Ω>> Ωn: mass line slope = -1

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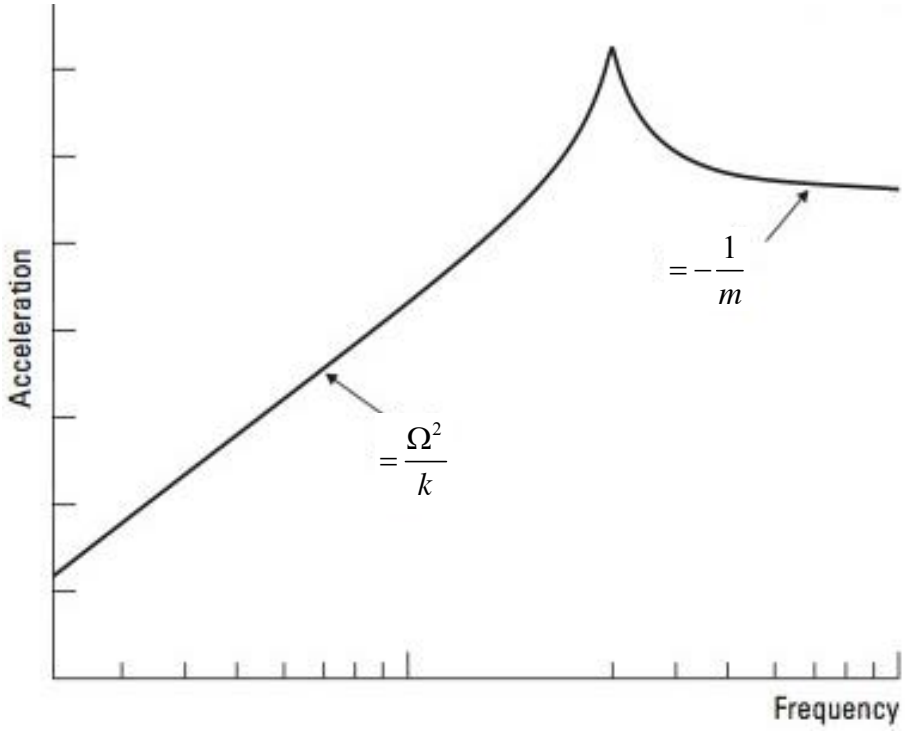
Handout #13

Structural Dynamics of a Single Degree of Freedom (SDOF) System.



Definition	Response	Variable
Accelerance	$\frac{A}{F}$	$\frac{\text{Acceleration}}{\text{Force}}$

- Ω<< Ωn: stiffness line slope = 2
- Ω>> Ωn: mass line slope = -2

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