

MEEG 311 - Lecture 3 Vibration and Control

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Goals:

- Review of basic properties of Laplace transformations
 - Definition
 - Linearity, differentiation, integration
- Application of Laplace transformation to ODEs with inputs
 - Again, the case of harmonic oscillator
- Input/output representation of systems: Transfer functions
 - Transfer function: The Laplace transformation of the output over the Laplace transformation of the input under zero initial conditions.

