Lecture Module - Electrical Systems

ME3050 - Dynamic Modeling and Controls

Mechanical Engineering
Tennessee Technological University

Topic 3 - Second Order Circuits



Electrical Systems

- Example: Series RLC Circuit
- Assumptions
- Governing Equations
- Model Derivation
- Response Equation

Example: Series RLC Circuit

Example: Series RLC Circuit

Assumptions

Governing Equations

Governing Equations

Governing Equations

Model Derivation

Response Equation