Georgia Institute of Technology



Linear Circuits

An introduction to electric circuit elements and a study of circuits containing such devices.



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Lab Demo: RLC Circuit

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Transient response of an RLC circuit

School of Electrical and Computer Engineering



Module 3: Reactive Circuits

- Capacitors
- Inductors
- First-order differential equations
- RC Circuits
- RL Circuits
- Second-order differential equations
- RLC Circuits
- Applications





RLC Circuit Measurements







Lab Demo: RLC Circuits





Summary

- An underdamped RLC circuit has a small R value and results in large peaks
- An overdamped RLC circuit has a large R value





Next Lesson

 Applications of inductors and capacitors that exploit mechanical components

