Circuit Diagrams in LATEX - Using Circuitikz

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Introduction

Add neat circuit diagrams to your paper with Circuitikz, extending Tikz with electric components.



Circuitikz Example

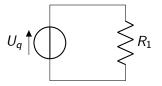


Figure: My first circuit.



Drawing Circuits with Circuitikz

- The circuit is drawn using the same syntax as Tikz.
- Special options are specified for the circuit elements.
- For example, to draw a voltage source, use to $[V, v=U_q]$.
- To draw a resistor, use to $[R=R_1]$.



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Adding More Elements

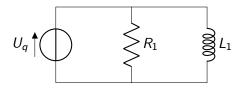


Figure: Circuit with inductor.



Adding More Elements (contd.)

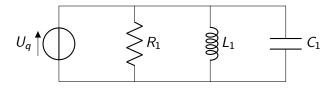


Figure: Circuit with inductor and capacitor.



Conclusion

The Circuitikz package allows you to create circuit

