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by National Instruments This lab covers the basic characteristics of RC Circuits, including both DC and AC analysis, simulation, and experimentation. Students will learn about the equations that govern capacitor charging and discharging, the RC circuit time constant, and be introduced to using RC circuits as low-pass and high-pass filters.

Lab 1: RC Circuits - National Instruments

The hands-on, simulation-based introduction to analog electronics. Analog Electronics with LabVIEW is the first comprehensive introduction to analog electronics that makes full use of computer simulation. Kenneth L. Ashley introduces analog electronics through a series of theory/project sections, in which theoretical presentations correlate directly with circuit measurement and analysis projects.

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Components (Recommended) 6-Transistor (3-gate) CMOS
Array □ CD4007[*] CMOS Opamp □ SGS-Thomson TS271[**]

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