

Lab 5: RC Circuits

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Abstract—The purpose of this lab is to explore some common applications of RC Circuits – in particular, circuits that effectively perform mathematical operations and circuits that selectively filter input signal frequencies.

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II. THEORY
III. EQUIPMENT LIST
IV. METHODOLOGY

<i>A. Differentiator</i>
<i>B. Integrator</i>
<i>C. Low-Pass Filter</i>
<i>D. High-Pass Filter</i>
<i>E. Band-Pass Filter</i>

V. RESULTS

<i>A. Differentiator</i>
<i>B. Integrator</i>
<i>C. Low-Pass Filter</i>
<i>D. High-Pass Filter</i>
<i>E. Band-Pass Filter</i>

APPENDIX A
DERIVATIONS
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EQUIPMENT PHOTOGRAPHS
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CIRCUIT DIAGRAMS
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CIRCUIT PHOTOGRAPHS

I. INTRODUCTION

THIS is an introduction.