Scilab Manual for
Power Electronics and Drives Laboratory
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Experiment: 1

Simulation of single phase semiconverter

This code can be downloaded from the website wwww.scilab.in

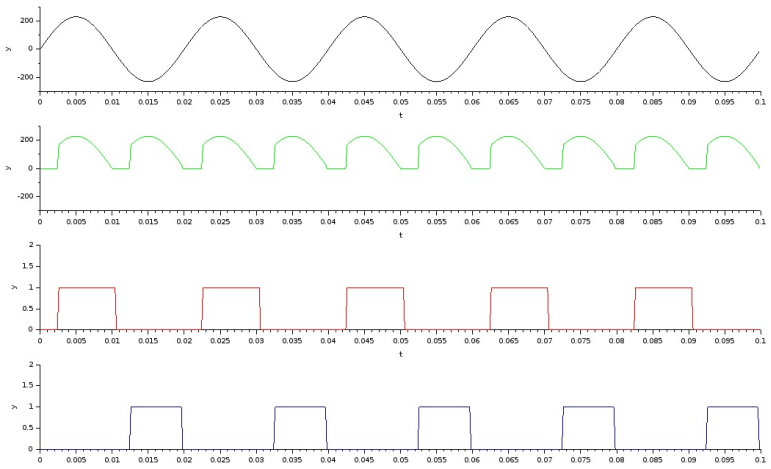

Figure 1.1: Single Phase semi converter

Experiment: 2

Simulation of three phase semiconverter

This code can be downloaded from the website wwww.scilab.in

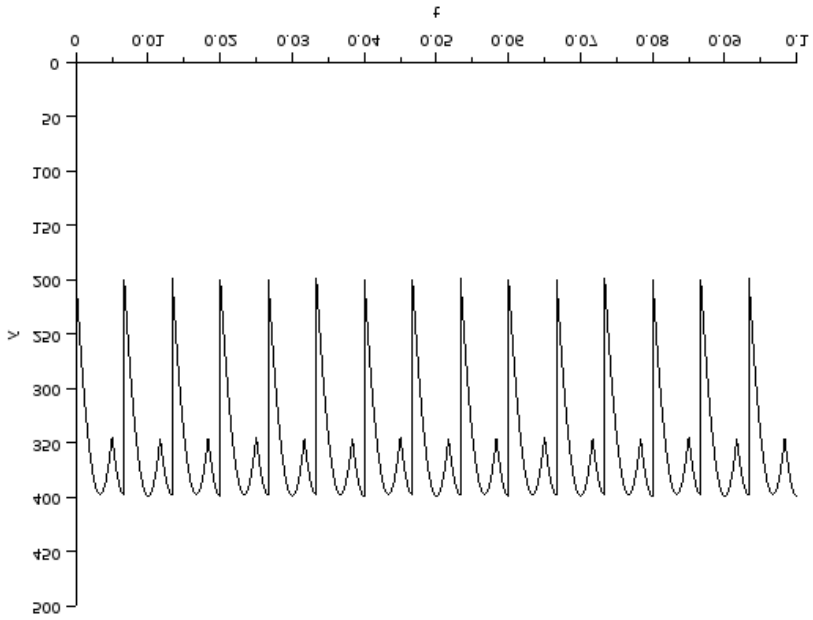

Figure 2.1: three phase half converter with resistive load

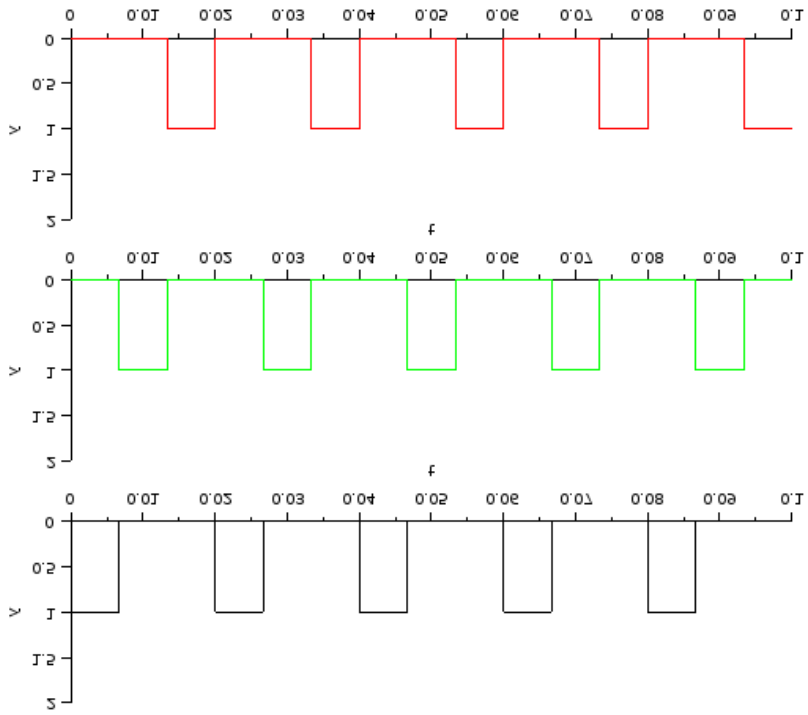

Figure 2.2: three phase half converter with resistive load

Experiment: 3

Simulation of single phase fullconverter

This code can be downloaded from the website wwww.scilab.in

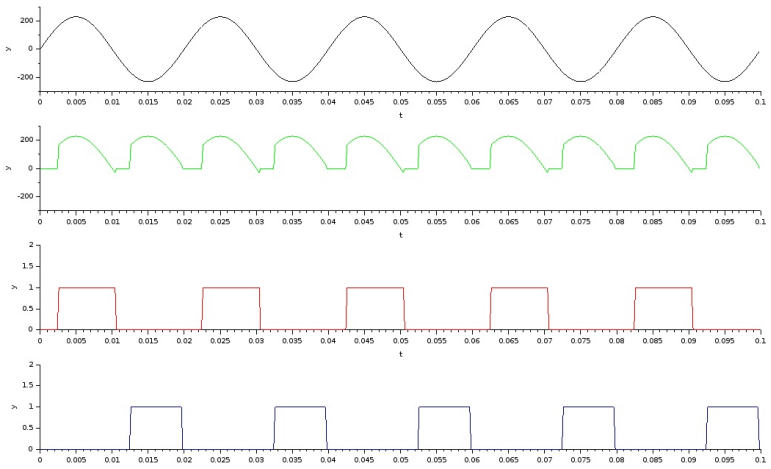

Figure 3.1: Single Phase Fully Controlled Converter

Experiment: 4

Simulation of three phase fullconverter

This code can be downloaded from the website wwww.scilab.in

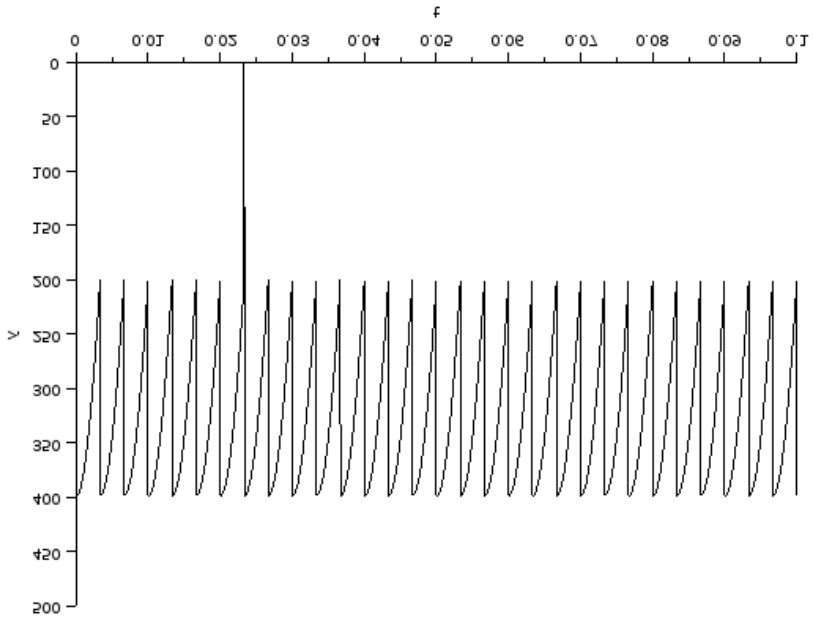

Figure 4.1: three phase full converter with resistive load

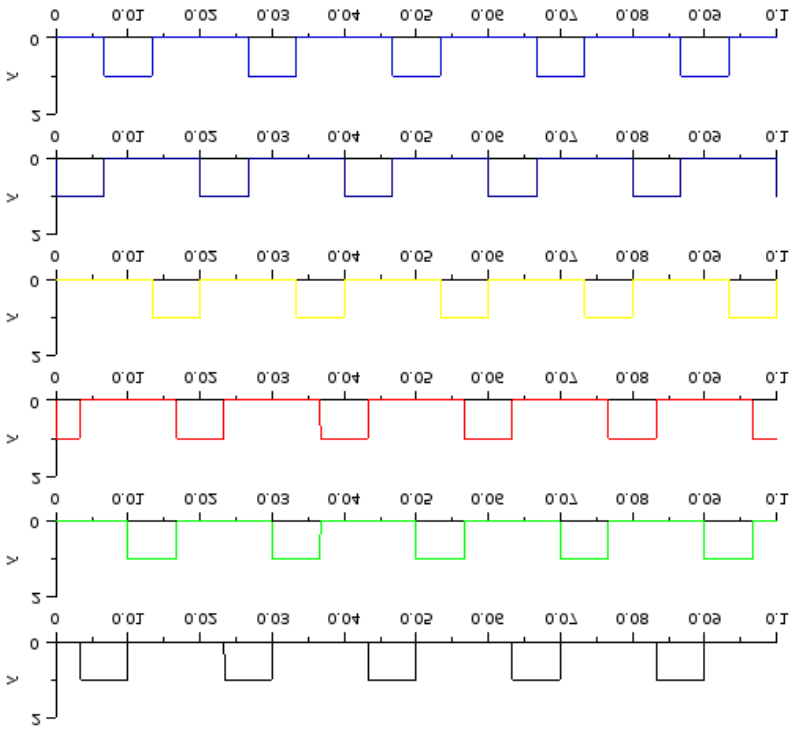

Figure 4.2: three phase full converter with resistive load

Experiment: 5

DC to DC converters

This code can be downloaded from the website wwww.scilab.in

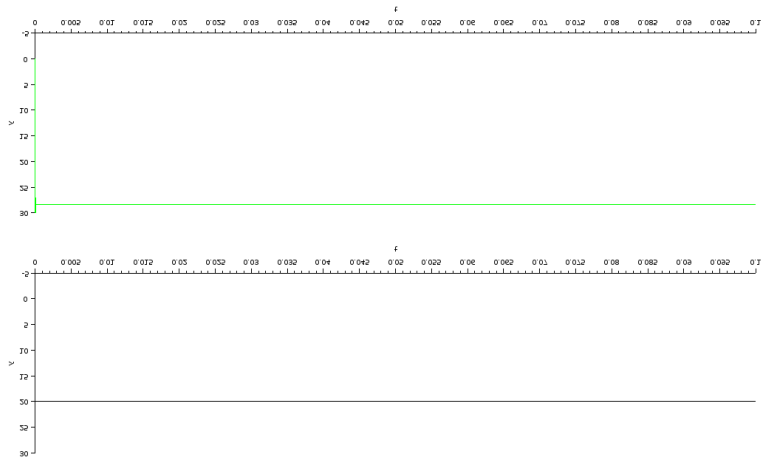

Figure 5.1: Boost converter