Scilab Manual for
Power Electronics and Drives Laboratory
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Contents

List of Scilab Solutions 3

1 Simulation of single phase semiconverter 5

2 Simulation of three phase semiconverter 7

3 Simulation of single phase fullconverter 10

4 Simulation of three phase fullconverter 12

5 DC to DC converters 15

List of Experiments

List of Figures

1.1 Single Phase semi converter 6

2.1 three phase half converter with resistive load 8
2.2 three phase half converter with resistive load 9

3.1 Single Phase Fully Controlled Converter 11

4.1 three phase full converter with resistive load 13
4.2 three phase full converter with resistive load 14

5.1 Boost converter 16

Experiment: 1

Simulation of single phase semiconverter

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

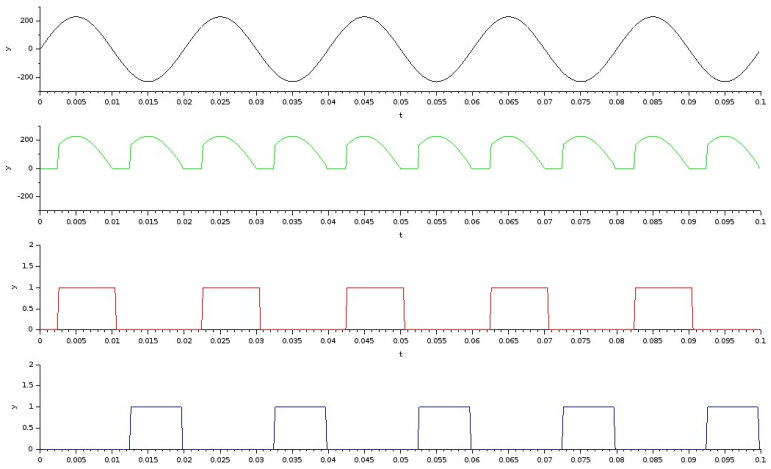


Figure 1.1: Single Phase semi converter

Experiment: 2

Simulation of three phase semiconverter

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

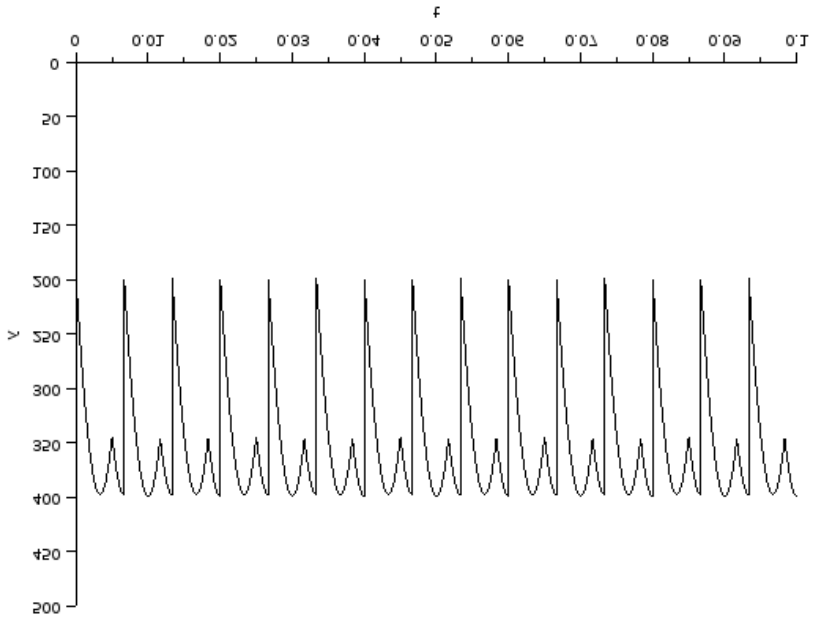


Figure 2.1: three phase half converter with resistive load

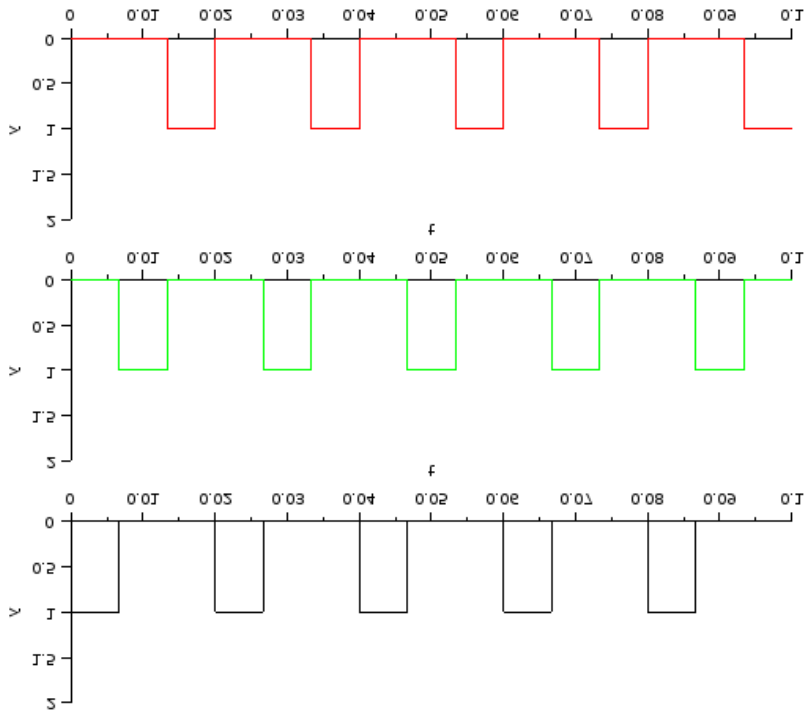


Figure 2.2: three phase half converter with resistive load

Experiment: 3

Simulation of single phase fullconverter

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

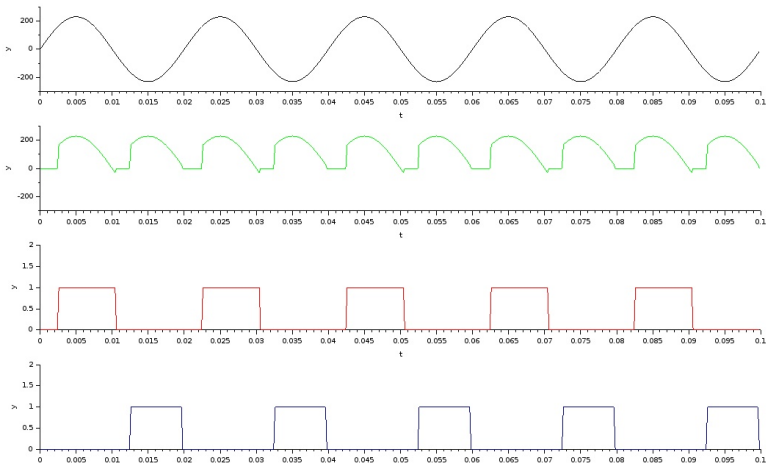


Figure 3.1: Single Phase Fully Controlled Converter

Experiment: 4

Simulation of three phase fullconverter

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

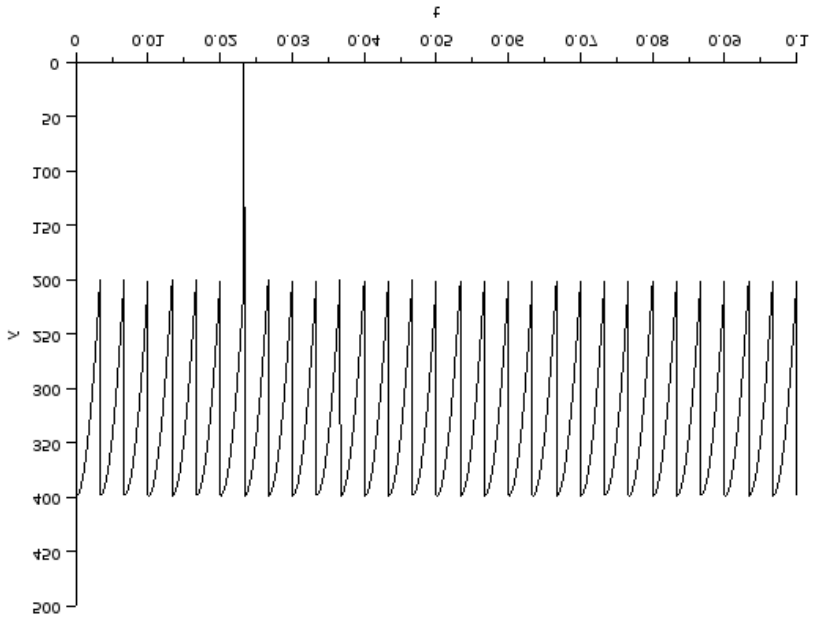


Figure 4.1: three phase full converter with resistive load

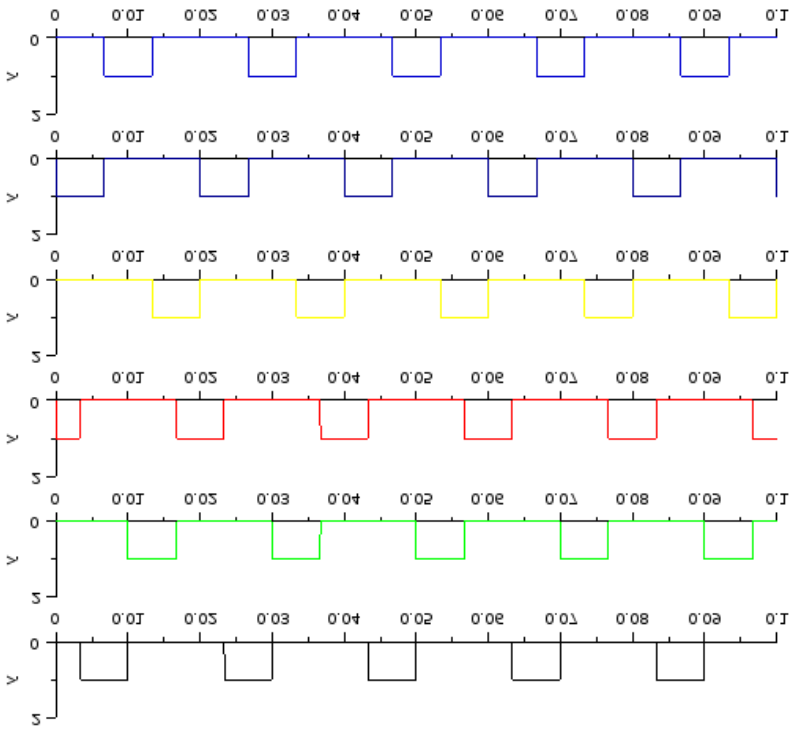


Figure 4.2: three phase full converter with resistive load

Experiment: 5

DC to DC converters

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

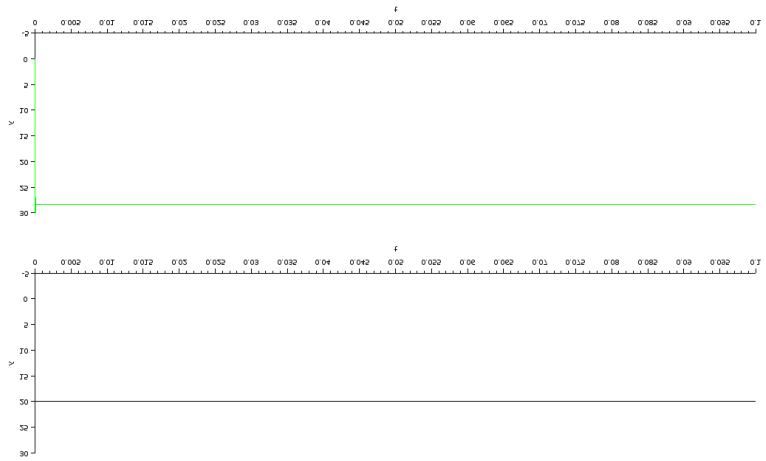


Figure 5.1: Boost converter