Scilab Manual for Power Electronics and Drives Laboratory by Prof Jesus Bobin Electrical Engineering St.xavier'S Catholic College Of Engineering¹

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Simulation of single phase semiconverter

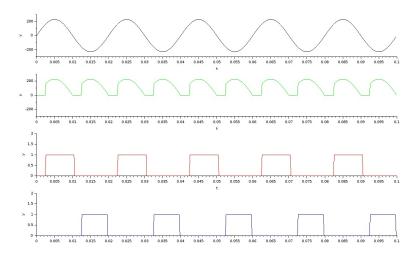


Figure 1.1: Single Phase semi converter

Simulation of three phase semiconverter

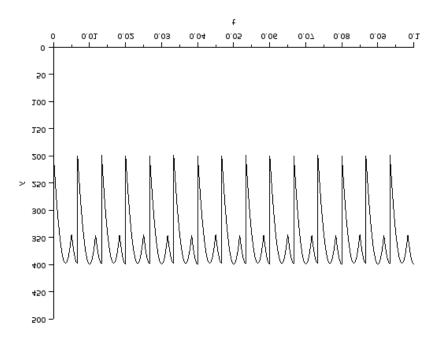


Figure 2.1: three phase half converter with resistive load

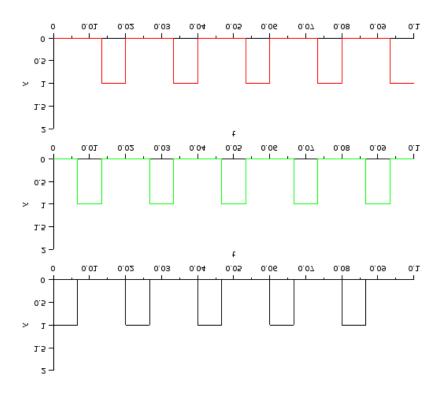


Figure 2.2: three phase half converter with resistive load

Simulation of single phase fullconverter

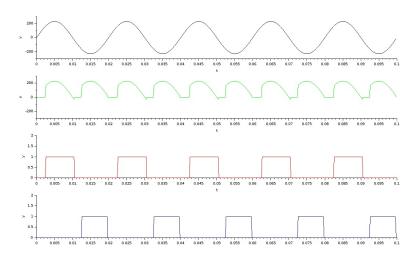


Figure 3.1: Single Phase Fully Controlled Converter

Simulation of three phase fullconverter

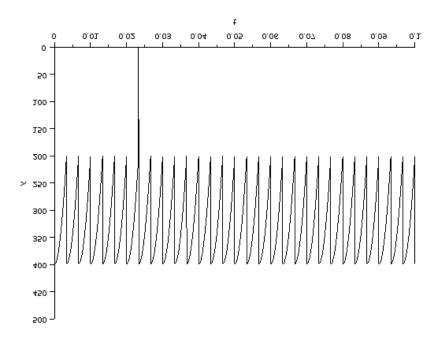


Figure 4.1: three phase full converter with resistive load

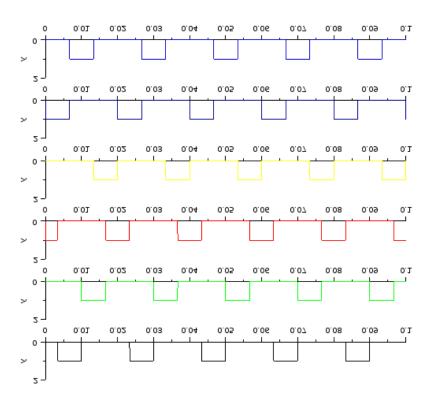


Figure 4.2: three phase full converter with resistive load

DC to DC converters

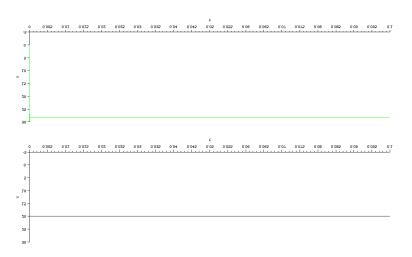


Figure 5.1: Boost converter