
Power Electronics Converters and Systems

DC/AC Conversion

Homework 5

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Aspects of Assignment

- Problem 8: Consider the DC/AC (Inverter Module) we considered in class.
 - Consider the parameters and specifications given in slides 100-103 of Lecture Set 4. Determine appropriate values of control gains. Justify your selection.
 - Create a waveform level simulation and reproduce results similar to those on slides 104-105 of Lecture Set 4.
 - Create a average value simulation and reproduce results similar to those on slides 104-105 of Lecture Set 4.