



List of Tables

2.1	Switching Vectors, Phase Voltages and Output Line to Line Voltage	14
2.2	Space Vector Modulation Algorithm	16
2.3	Switching Time Calculation at Each Sector	30
2.4	Circuit Parameters	33
2.5	Simulation Results	34
2.6	Simulation Summaries	35
2.7	Spectral Analysis	37
2.8	Switching Vectors Part I	38
2.9	Switching Vectors Part II	39
3.1	Effects of Intrinsic Impedance	61
3.2	Characteristics of Materials	61
3.3	Operating Parameters	62
4.1	Switching Vectors, Phase Voltages and Output Line to Line Voltage	90
4.2	Circuit Parameters	99
4.3	Simulation Summaries	100
4.4	Simulation Results	100
5.1	Limits of f_{PWM} and f_H	113
5.2	Circuit Parameters	117
5.3	Experimental Verification Summaries	117