|  |  |  |
| --- | --- | --- |
| **Chapter** | **LIST OF FIGURES** | **Page no.** |
| **3**  **4**  **5**  **6**  **7**  **8** | Fig 3.1 Trapezoidal Back Emf  Fig 3.2 Sinusoidal Back Emf  Fig 3.3 Stator Of Bldc Motor  Fig 3.4 rotor magnet cross sections  Fig 3.5 Bldc motor transverse section  Fig 3.6 Torque/Speed Characteristics  Fig 3.7 Hall Sensor Signal,Back Emf,Output Torque and  Phase Current  Fig 3.8 Trapezoidal Speed Curve  Fig 3.9 2-phase 4-slot BLDC motor  Fig 3.10(a) 3-Ø 12-slot BLDC motor  Fig 3.10(b) 3-Ø 6-slot BLDC motor  Fig 3.11 Back emf plots of 3-phase motors  Fig 3.12(a) 4-phase 16- slot BLDC motor  Fig 3.12(b) 4-phase 16- slot BLDC motor  Fig 3.13 Back emf plots of 4-phase motors  Fig 3.14 Operation of d.c. motor in the four quadrants of the torque-speed plane  Fig 4.1 Basic designs  Fig 4.2 single- phase half-bridge VSI  Fig 4.3 Characteristics single- phase half-bridge VSI  Fig 4.4 PWM technique for Square wave  Fig 4.5 Square-Wave Modulating Technique  Fig 4.6 Full Bridge VSI  Fig 4.7 Three Phase CSI  Fig 5.1 Block diagram of Mat lab components  Fig 5.2 Simulink library browser  Fig 5.3 Connectung blocks  Fig 5.4 Sources and sinks  Fig 5.5 continous and descrete systems  Fig 5.6 simulink blocks  Fig 5.7 Simulink math blocks  Fig 5.8 signals and systems  Fig 5.9 setting simulation parameters  Fig 5.10 Diagram of simpower system  Fig 5.11 Basic circuit designing  Fig 6.1 Three Phase MOSFET-Based Inverter    Fig 7.1 The simulation model of BLDC motor  Fig 8.1 Phase A Current under Load Condition  Fig 8.2 The torque response waveform  Fig 8.3 .Mechanical Torque Wave form  Fig 8.4 Speed -Time Characteristics  Fig.8.5 Three phase back-EMF waveform | 6  6  7  8  9  12  14  16  18  18  19  19  20  23  24  26  27  28  29  31  35  37  37  38  39  40  41  42  43  46  47  51  54  55  55  56  56  57 |