Abstract

The most popular and best modulation method used among Pulse Width Modulation (PWM) technique is Space Vector Modulation (SVM) method. SVM generates low Total Harmonic Distortion (THD) and it is well suitable for motor control. Harmonics is one of the major power quality issues occurring in most of the application. SVM holds the major advantage that only one switch is turned on at a time. The proposed model shows the effect of eliminating the lower order harmonics in SVM. MATLAB/Simulink is used develop the model.

References

- Nisha G. K., Ushakumari S. and Lakaparampil Z. V "Harmonic Elimination of Space Vector Modulated Three Phase Inverter" proceedings of International MultiConference of Enhineers and Computer Scientists 2012 Vol II.

**Index Terms**

Computer Science  
Power Electronics

**Keywords**

Space Vector Modulation  
Inverters  
Total Harmonic Distortion