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

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**Index Terms**

Computer Science

Power Electronics

**Keywords**

Space Vector Modulation  Inverters  Total Harmonic Distortion