

Diagnosis of Induction Machine Faults by DWT

Authors : Hamidreza Akbari

Abstract : In this paper, for detection of inclined eccentricity in an induction motor, time-frequency analysis of the stator startup current is carried out. For this purpose, the discrete wavelet transform is used. Data are obtained from simulations, using winding function approach. The results show the validity of the approach for detecting the fault and discriminating with respect to other faults.

Keywords : induction machine, fault, DWT, electric

Conference Title : ICEE 2014 : International Conference on Electrical Engineering

Conference Location : Istanbul, Türkiye

Conference Dates : August 18-19, 2014