

## Diagnosis of Induction Machine Faults by DWT

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**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

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