

عنوان مقاله:

Stray Flux Analysis: A Novel Way for Stator Fault Detection in Induction Motors

محل انتشار:

سیزدهمین کنفرانس دانشجویی مهندسی برق ایران (سال: 1389)

تعداد صفحات اصل مقاله: 8

نویسندگان:

Amir Tahavorgar - *School of Electrical Railway Engineering*

Seyed Saeed Fazel - *Department of Electrical Railway Engineering*

Mohammad Ali Sandidzadeh^۲ - *Department of Electrical Railway Engineering*

خلاصه مقاله:

This paper presents a novel approach to stator inter-turn fault detection using stray flux analysis. By using this method the location of stator phase-to-core or phase-to-neutral faults can be located with a acceptable accuracy. The basic concept of this new method can be implemented on the all three-phase rotating elements in the power systems for monitoring considerations. Results obtained by simulations with MATLAB show the effectiveness of the proposed (method for detecting faulty coil(s).

کلمات کلیدی:

Fault detection, induction motor, stator fault, stray flux

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<https://civilica.com/doc/99096>

