**عنوان مقاله:**

Airgap Eccentricity Fault Diagnosis in Switched Reluctance Motor

**محل انتشار:**

اولین کنفرانس بین المللی الکترونیک قدرت و سیستم های درایو (سال: 1388)

تعداد صفحات اصل مقاله: 5

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**خلاصه مقاله:**

In this paper, a switched reluctance motor under mixed eccentricity fault is modeled and analyzed by two dimensional Finite Element Method (2DFEM). It describes the performance characteristics and comparison results of the 6/4 switched reluctance motor with mixed rotor eccentricity utilizing two-dimensional finite element analysis. The results obtained using the FE analysis of the switched reluctance motor includes flux-linkages and terminal inductance per phase for various eccentric motor conditions. The paper continues with comparing these results with the ones obtained for the same motor profile but in healthy condition. Finally, these results present useful information regarding to the detection of mixed eccentricity.

**کلمات کلیدی:**

Eccentricity, Fault Analysis, Finite Element Method, Switched Reluctance Motor

**لینک ثابت مقاله در پایگاه سیویلیکا:**

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