



Turkish Journal of Electrical Engineering & Computer Sciences

Turkish Journal
of
Electrical
Engineering &
Computer Sciences

 [Keywords](#)
 [Authors](#)



**Detection of static eccentricity for
permanent magnet synchronous
motors using the coherence analysis**

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Detection of static eccentricity for
permanent magnet synchronous
motors using the coherence analysis

Abstract: This paper reports on work to
detect the static eccentricity faults for

permanent magnet synchronous motor
(PMSM) using spectral analysis methods.
Measurements are carried out by collecting