

## عنوان مقاله:

Hierarchical Clustering of Vibrational Features: a Method to Recognize Severity and Types of Rolling Element Bearing's Faults

## محل انتشار:

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## خلاصه مقاله:

In this paper, a method for detection and classification of cyclic bearing faults is introduced. The method uses hierarchical clustering to classify severity of flaws. Also it is examined in classification of flaw's location. Features are extracted from acceleration signals in three different domains which are time, frequency and timefrequency representations of the signal. Encouraging results indicate the potential of the demonstrated method in condition monitoring and fault diagnosis of rolling element bearings.

## کلمات کلیدی:

Hierarchical clustering, Rolling element bearing condition monitoring, Severity classification, Feature extraction

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/41493>

