

## عنوان مقاله:

Analysis Crack in the low pressure steam turbine blades using vibration characteristics

## محل انتشار:

نخستین همایش منطقه ای مهندسی مکانیک (سال: 1389)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

The main propose of this article is the investigation of influences of crack parameters on vibration characteristics of turbine blades. This paper consists of two main part. In first part, modal analysis experiments were done on some cracked turbine blades and it's process has been described. In second part, Finite Element Method (FEM) was used to analysis the effects of variation of depth and location of crack on blade's vibrational characteristics. Finally, by comparing the results, it was shown that FEM results were in good agreement with experiments

## کلمات کلیدی:

Crack, Natural frequency, Experiment modal analysis, Finite element method, Turbine blade

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/111107>

