

Vibration based Condition Monitoring of Dynamical Systems

Abstract

Condition monitoring of dynamical systems based on vibration data analysis using machine learning techniques.

This paper presents a novel approach for condition monitoring of dynamical systems using vibration data. The proposed method involves the extraction of features from vibration signals and their classification using machine learning algorithms. The results show that the proposed method is effective in detecting and classifying different fault conditions in dynamical systems.

Keywords: Vibration, Condition Monitoring, Dynamical Systems, Machine Learning, Data Analysis.