Fault detection and vibration suppression of rotating machinery

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Synopsis:

The fault detection, diagnosis and control of the rotating machinery are the key technologies to improve the rotor system safety. It guarantees the stable and reliable operation of various low-speed and high-speed rotating power machineries such as aeroengine, generator, motor, compressor, steam turbine. The purpose of this topic is to discuss with relevant experts, scholars and engineers around the world the latest achievements and applications related to fault detection of rotating machinery. The topics of this thesis include but are not limited to, new methods of fault diagnosis basics, active vibration control, novel measurement control system, reliability research of aeroengine, fault detection of power transmission equipment, etc.

旋转机械故障检测及振动抑制

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简介：

The fault detection, diagnosis and vibration control of the rotating machinery are the key technologies to improve the rotor system safety. It guarantees the stable and reliable operation of various low-speed and high-speed rotating power machineries such as aeroengine, generator, motor, compressor, steam turbine. The purpose of this topic is to discuss with relevant experts, scholars and engineers around the world the latest achievements and applications related to fault detection of rotating machinery. The topics of this thesis include but are not limited to, new methods of fault diagnosis basics, active vibration control, novel measurement control system, reliability research of aeroengine, fault detection of power transmission equipment, etc.

简介:

旋转机械的故障检测、诊断以及安全控制是提高转子系统安全性的关键技术。其保障了如航空发动机、发电机、电动机、压缩机、汽轮机等各类高低速旋转动力机械的稳定可靠运行，是本领域内的研究重点。本专题旨在与世界范围内相关专家、学者、工程师一道探讨与旋转机械故障检测相关的最新成果与应用。本专题论文主题包含但不限于：故障诊断基础、主动振动控制、新型测量控制系统、航空发动机可靠性研究、动力传动设备故障检测、等方面的新方法。