



# Fault diagnosis

insufficient structural relationship modeling capability and poor noise robustness, this ...

This study presents a Variational Autoencoder (VAE)-based framework for the unsupervised mechanical fault diagnosis of high-voltage isolation switches. By analyzing voltage and current ...

Purpose: The primary aim of this study is to enhance fault diagnosis in induction machines by leveraging the Pad&#233; Approximant Neuron (PAON) model. While accelerometers and ...

This article proposes the use of inverter switching signals in the diagnosis of interturn short circuit faults and high-resistance connections in asymmetrical six-phase induction motor drives using ...

Research on sensor fault diagnosis based on multisource information fusion decisions considering the characteristics of arch dams - Jianghan Xue, Pengtao Zhang, Yanling Li, Yazi Xiao, Xiang Lu, Chen Chen, Zefa Li, Jiankang Chen, ...

Vehicle diagnostics is the process of identifying, analyzing, and troubleshooting issues or faults within the electronic systems of a vehicle. It involves using specialized diagnostic tools, software, and equipment to access ...

Electrical fault finding is the process of identifying and resolving issues in electrical systems. Common types of electrical faults include short circuits, overloads, and earth faults. ...

With the rising automation and complexity level of industrial systems, the efficiency and accuracy of fault diagnosis have become a critical challenge. The convolutional neural network (CNN) ...

Fault diagnosis technology is a crucial technique for ensuring the reliability of multiprocessor systems. Many previous studies have paid close attention to the permanent faults of systems ...

GJB 7893.10-2021 ?????????? ?10 ??:???????? Satellite on-orbit measurement and control management procedures Part 10: Fault diagnosis and prediction

To address the challenge of fault diagnosis for in-wheel motors in four-wheel independent driving systems under variable driving conditions and harsh environments, this paper proposes a novel method based on two-stream ...



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