

This study focuses on the fault diagnosis of an intelligent substation relay protection system based on Transformer architecture and migration training model.

Based on this, this paper proposes a novel relay protection equipment status evaluation strategy. Firstly, considering the fuzziness and uncertainty of the boundary division of relay protection ...

This paper presents an optimal protection solution using an adaptive electronic relay to enhance reliability and enable self-healing. The proposed protection algorithm quickly detects faults ...

This review critically examines the role of AI in enhancing grid protection, focusing on fault detection, isolation, classification, adaptive relay coordination, islanding detection, and the mitigation ...

The relay protection system in intelligent substations ensures the safety and stable operation of power grids. While redundancy configurations enhance reliability, excessive redundancy ...

This paper presents an optimal protection solution using an adaptive electronic relay to enhance reliability and enable self-healing. The proposed ...

This paper explores the development of relay protection technology in smart grids, analyzing its applications in intelligent algorithms, digital devices, and automated coordination.

Traditional relay protection systems have limitations in addressing the increasingly complex protection needs of power systems. Therefore, the development and application of intelligent relay protection ...

Based on the identified shortcomings of this existing technical solutions for the implementation of relay protection electrical networks, a method for implementing intelligent relay protection is proposed, ...

To achieve information sharing and interoperability among intelligent electrical equipment in intelligent substations, the author proposes research on relay protection and security technology ...

This book provides a complete guide to digital power system protection, emphasizing cutting-edge technologies such as digital relays, intelligent electronic devices (IEDs), artificial intelligence (AI), ...

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