Hefei University of Technology Relay Protection Experiment

Combined with operation data collected from a region in China, this study is aimed at providing a reliable quantitative basis for relay protection systems" operating maintenance by the aid of a semi ...

His research interests include power system protection and control, power system dynamic simulation technology, and thermal optimization of secondary equipment. School of ...

Firstly, the paper establishes a temperature calculation function for components based on the thermal superposition model, calculates the minimum heat dissipation distance between components, and ...

This article proposes the full-link automatic test technology of the relay protection fault information system, and expounds its principle, main modules and key technologies.

Experiment results show that the proposed method can effectively predict hotspot temperature of RPE with the predictive error lower than 2%. And comparative results demonstrate the superiority of the ...

Based on the characteristics of digital twin and the actual application requirements of relay protection, this paper defines four characteristics of relay protection mirror operation based on digital twin: ...

This paper focuses on principle-based and equipment-based relay protection experimental platforms, analyzing their respective characteristics, advantages, and limitations. An ...

Based on the operation specifications of relay protection devices and practical operation and maintenance experience, the evaluation level boundary standards of relay protection state ...

This document outlines laboratory experiments focused on various electrical protection relays, including IDMT Over Current, Differential, and Negative Sequence relays.

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