



南方电网交直流保护的数字式波形回放系统研究

周红阳, 黄佳胤, 余江

摘要: 波形回放是验证保护装置动作行为的重要方法之一, 而传统意义上的波形回放只能观察直流保护装置的最终动作行为, 无法观测其中间结果。为此提出了数字式波形回放系统的概念, 对比分析了传统的模拟式回放系统和数字式回放系统, 并以高肇直流工程为例建立了与实际保护装置内部逻辑相同的保护数字式仿真模型, 分析保护的動作行为及逻辑的正确性。

关键词: 波形回放; 直流保护; 数字仿真模型

Research of Digital Wave Replay System for AC and DC Protection Relays in China Southern Power Grid (CSG)

ZHOU Hong-yang, HUANG Jia-yin, YU Jiang

Abstract: Wave replay is one of the important methods to verify the performance of protection relay. Traditional analogue replay can only see when and which protection is released or started, and has no way to test internal parameter. Digital replay system based on GAOZHAO (GGI) HVDC project, is presented in this paper. By digital simulation model of protection, which has the same logic as really relays, it is easy to test both the total performance and internal logic of protection relays. Comparison between analogue replay and digital replay is carried out in this paper.

Key words: replay, HVDC protection, digital simulation model

点击此处下载全文

关闭窗口