



基于SCADA数据的实时监测电网低频振荡算法

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摘要: 提出基于SCADA(supervisory control and data acquisition)数据实时检测电网低频振荡的算法和实现方法, 使用现有的SCADA、RTU (remote terminal unit)、通信等资源, 实时检测电网低频振荡的问题得到了较好的解决, 南方电网的生产运行实践证明该方法是可行的。

关键词: 低频振荡; SCADA数据; 实时检测

Algorithm of Real-Time Detection Low-Frequency Oscillation in Power System Base on the SCADA Data

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Abstract: The concept of real-time detection of low-frequency oscillation in power systems is put forward, and its algorithm is designed based on the SCADA (supervisory control and data acquisition) data of EMS (energy manager system). With the SCADA, RTU (remote terminal unit) and the communication net, the issue of real-time detection of low-frequency oscillation in power systems is solved quite well, and the algorithm is proved feasible by the actual operation of China Southern Power Grid.

Kew words: low frequency oscillation; SCADA (supervisory control and data acquisition); real-time detection

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