

电力系统

华北电网综合负荷建模研究

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摘要:

本文针对华北全网220kV变电站进行了负荷特性普查和分类, 选取各类型的典型变电站进行了详细的负荷调查, 采用统计综合法建立了各典型变电站的考虑配电网的综合负荷模型(Synthesis Load Model, SLM), 并将建模结果推广应用到华北全网, 并对采用统计综合法建立的SLM对华北电网的安全稳定水平的影响进行了仿真分析。

关键词:

Study on Synthesis Load Modeling for North China Power Grid

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Abstract:

This paper general surveyed and classified all the 220kV substations of North China grid, selected some typical substations for load character investigation, built the SLM of each class load using investigation on Component based method. At last the SLM was popularized to the North China grid. In addition, the impact of new load model to the security level of North China grid was studied.

Keywords:

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