**论文**

## 智能调度分布式一体化建模方案

**米为民**1，**荆铭**2，**尚学伟**1，**徐丹丹**1，**蒋国栋**1，**付辉**1

1．中国电力科学研究院，北京市 海淀区 100192；2．山东电力调度中心，山东省 济南市 250001

**摘要：**

智能调度建设要求调度中心共享信息，为此提出了智能调度分布式一体化建模方案。该方案中，各级调度系统之间通过模型信息联动技术，实现图形、数据、模型的共享；通过模型拆分/合并技术、在线外网等值技术等建立全电网模型和图形，并获取实时运行数据；通过模型信息订阅技术为各应用系统提供个性化的模型信息服务。分布式一体化建模可为智能调度提供一体化模型与基础数据，实现模型信息的"源端维护、全网共享"，满足调度中心对全电网的模型分析、安全预警、辅助决策等业务需要。

**关键词：**

## Distributed and Integrated Modeling of Intelligent Dispatch

MI Weimin1, JING Ming2, SHANG Xuewei1, XU Dandan1, JIANG Guodong1, FU Hui1

1. China Electric Power Research Institute, Haidian District, Beijing 100192, China; 2. Shandong Electric Power Dispatching Center, Jinan 250001, Shandong Province, China

Abstract:

The construction of intelligent dispatching makes demand of sharing information among dispatching centers, for this reason a distributed integrated modeling scheme for intelligent dispatching is proposed. In the proposed scheme the sharing of graphs, data and models are implemented by model information linkage technique among different levels of dispatching systems; by means of such technologies as model splitting/merging, online dynamic equivalence of external network and so on the model and graph of whole power grid are built and real-time operation data is acquired; by means of the technology of model information subscription, individual model information services are provided for each application system. Distributed and integrated modeling can provide integrated model and basic data for intelligent dispatching to realize so-called "maintenance at source of data and sharing data within whole grid", thus the business needs of dispatching center such as model analysis, early warning of security and aid decision making of whole power grid can be met.

Keywords:

通讯作者: 米为民

作者简介：

作者Email: dami1972@sina.com

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