

中国科技核心期刊 陕西省科技期刊一等奖
ISSN1673-7598
CN61-1452/TM

陕西电力

8
2012

第四十卷

主管单位：国家电网公司 主办单位：陕西省电力公司 协办单位：陕西省电机工程学会

SHAANXI ELECTRIC POWER



- 印度大停电及其对我国电网发展的借鉴作用
- 雷电流入侵时串补保护工作情况研究
- 解决电压延迟恢复问题的动态无功规划方法研究
- 负荷模型对基于能量函数的扰动源溯源的影响研究



● 特别推荐

- 01 印度大停电及其对我国电网发展的借鉴作用 田 廉,董文杰
05 雷电流入侵时串补保护工作情况研究 王 莉,刘明予,朱 华,等
10 解决电压延迟恢复问题的动态无功规划方法研究 童礼系,方万良
16 负荷模型对基于能量函数的扰动源溯源的影响研究 段秦刚,朱遥野,周慧勤,等

● 新能源

- 20 超级电容器在风电场有功功率调节中的仿真研究 朱晓荣,张文通

● 电网技术

- 25 含缺陷复合绝缘子的加速老化试验 赵庆州,鲁 兹,梁 飞,等
29 智能变电站中IEC60870-5-104到IEC61850的映射互通研究 宋 妍,秦立军,曲红磊,等
34 感应加热电源逆变控制器的设计 陈中孝,李艳芳,张立广
38 基于自适应模糊粒子群算法的电力系统无功优化研究 吴肖锋,仲伟坤,张 程,等
42 改进型离子接地装置的研究 郑小川,达 伟,李志忠,等
46 混合线路故障测距算法及其重合闸策略分析 宋平松,刘 伟
50 箱式变压器噪声治理的研究与应用 王永宏,耿明昕,安翠翠,等

● 电力经济研究

- 53 基于理想点法的“十分钟缴费圈”电费缴纳合作伙伴评价 葛新丽,江 元,王 冰
58 基于模糊综合评价的核电设备采购管理成熟度模型研究 杨玲玲

● 技术应用

- 62 10 kV系统弧光接地过电压的分析与仿真 董家读,程志海,郭益辉,等
66 改进的乒乓式转子接地保护在无刷励磁发电机中的应用 夏丽静,王之猛,孙庆彬,等
70 火电机组一次调频试验参数应用探讨 师 鹏,张燕平,杨新超,等
74 某110 kV主变压器异常色谱分析及故障处理 单玉涛,李晓霞,朱红梅
77 燃气机组静态变频装置调试技术的研究 牛利涛,刘晓航,范 瑾
80 超临界机组P91主蒸汽管道温度计套管焊接改造 牛林兴,杨升军,张启文,等
85 适应电网新模式的超临界机组协调控制系统工程优化 王立军,李晓敏

FEATURED FOCUS

- 01 Probe into India Electricity Blackout and its Reference for Grid Development in China TIAN Kuo, DONG Wen-jie
05 Probe into the Operation of Series Compensator Protection under Lighting Attack WANG Li, LIU Ming-yu, ZHU Hua, et al
10 Dynamic VAR Planning Method for Mitigating Fault-induced Delayed Voltage Recovery Problems TONG Li-xi, FANG Wan-liang
16 Impact of Load Model on Disturbance Sources Locating Based on Energy Function DUAN Qin-gang, ZHU Yao-ye, ZHOU Hui-qin, et al

NEW ENERGY

- 20 Active Power Regulation of Wind Farm Based on EDLC ZHU Xiao-rong, ZHANG Wen-tong

GRID TECHNOLOGY

- 25 Artificial Aging Tests with Defective Composite Insulators ZHAO Qin-zhou, LU Zi, LIANG Fei, et al
29 Research on Mutual Mapping of IEC60870-5-104 to IEC61850 in Smart Substation SONG Yan, QIN Li-jun, QU Hong-lei, et al
34 Hardware Design of Induction Heating Power Inverter Controller CHEN Zhong-xiao, LI Yan-fang, ZHANG Li-guang
38 Application of Adaptive Fuzzy Particle Swarm Optimization Algorithm in Power System Reactive Power Optimization WU Xiao-feng, ZHONG Wei-kun, ZHANG Cheng, et al
42 Study on Improved Ion Grounding Device ZHENG Xiao-chuan, DA Wei, LI Zhi-zhong, et al
46 Probe into Fault Location Algorithm and Re-closure Strategy for Hybrid Transmission Line SONG Ping-song, LIU Wei
50 Research and Application of Noise Control of Box-type Transformer WANG Yong-hong, GENG Ming-xin, AN Cui-cui, et al

ELECTRIC ECONOMY SURVEY

- 53 Electricity Payment Partner Evaluation of Electricity Payment in Ten Minutes Based on Ideal Point Method GE Xin-li, JIANG Yuan, WANG Bing
58 Purchasing Management Maturity Model of Nuclear Power Equipment Based on Fuzzy Comprehensive Evaluation YANG Ling-ling

TECHNICAL APPLICATION

- 62 Analysis and Simulation of Arc Grounding Over-voltage in 110 kV System DONG Jia-du, CHENG Zhi-hai, GUO YI-hui, et al
66 Application of Advanced Ping-pong Type Rotor Ground Fault Protection to Brushless Excitation Generator XIA Li-jin, WANG Zhi-meng, SUN Qin-bin, et al
70 Application of Primary Frequency Test Parameter for Thermal Power Unit SHI Peng, ZHANG Yan-ping, YANG Xin-chao, et al
74 Abnormal Oil Chromatographic Analysis and Fault Handling for No. 2 Main Transformer in Lintong Substation SHAN Yu-tao, LI Xiao-xia, ZHU Hong-mei
77 Probe into Several Problems on Starting-up Procedure of Gas Turbine Generators NIU Li-tao, LIU Xiao-hang, FAN Jin
80 Welding Transformation of Thermo-well at Supercritical Unit P91 Main Steam Pipe NIU Lin-xing, YANG Sheng-jun, ZHANG Qi-wen, et al
85 Engineering Optimization of Coordinated Control System for Supercritical Generation Unit Adapting to the New Mode for Grid WANG Li-jun, LI Xiao-min