

发电设备

FADIAN SHEBEI

第 40 卷 第 4 期 (总第 304 期)

双月刊 国内外公开发行

1987 年 1 月创刊 2026 年 7 月 15 日出版

目次

发电系统分析

- 一种基于模糊评价的无功补偿设备选型决策模型王文斌 (243)
- 亚临界再热背压式汽轮机计算模型及变工况运行研究高传峰 (248)
- 百万千瓦二次再热超超临界机组补汽阀开启点选择对机组经济性的影响
.....陈培庶,刘世云,樊晓溪 (254)

发电设备优化

- 600 MW 亚临界四角切圆锅炉燃烧优化试验高超,党岳,王猛,侯荣利 (259)
- 基于工程实践的锅炉燃烧优化调整技术综合研究王小伟,姚力,武生 (264)
- 某 660 MW 超超临界汽轮机三段抽汽温度异常原因分析及处理程奇 (270)
- 1 000 MW 超超临界机组发电机多发性泄漏分析与治理
.....张春华,吴世杰,王日成,王安,蒋伯华 (275)
- AMS 2140 系统在一次风机振动故障诊断中的应用张小蝶,李安训,刘红林,李越,佟铁钢 (280)
- 二代加核电站驱动棒机构电源控制保护系统的优化方案
.....梁安江,陈伟龙,葛磊,钟薇,王帅,曾阳浩 (286)

数字化与智能化

- 火电机组低负荷重要辅机跳闸自动控制研究王俊洋,巩时尚,王飞,刘洪鹏,邓天心,李佳伟 (293)
- 二次再热机组 BEST 小机变流器控制策略唐伟 (300)

新能源技术

- 基于 CNN 识别振动图谱的双馈风电机组故障诊断朱莎,李绪阳,秦翔宇 (306)
- 新能源上网电价市场化深化改革背景下的不同类型支架发电特性与经济特性分析
.....侯少攀,宋亮 (318)

储能技术

- 基于高温熔盐储热系统的火电机组深度调峰方案设计及分析
.....王金梁,张磊,和法利,冯帅,冯研,罗雯华,宋士雄 (325)

POWER EQUIPMENT

Founded in 1987(Bimonthly)

Vol. 40, No. 4 (Ser. No. 304) Jul.15, 2026

CONTENTS

Power System Analysis

A Decision Model of Reactive Power Compensation Equipment Selection Based on Fuzzy Evaluation
.....WANG Wenbin (243)

Study on the Calculation Model and Variable Operating Condition Performance of Subcritical Reheat Back-pressure Steam Turbines
.....GAO Chuanfeng (248)

Research on the Influence of the Opening Point Selection of the Supplementary Steam Valve on the Economy Performance of a Million-kilowatt Ultra-supercritical Unit with Double Reheat
.....CHEN Peishu, LIU Shiyun, FAN Xiaoxi (254)

Power Equipment Optimization

Experimental Study on Combustion Optimization of a 600 MW Subcritical Four-corner Tangential Firing Boiler
.....GAO Chao, DANG Yue, WANG Meng, HOU Rongli (259)

Comprehensive Research on Boiler Combustion Optimization and Adjustment Technology Based on Engineering Practice
.....WANG Xiaowei, YAO Li, WU Sheng (264)

Analysis and Treatment of Abnormal Temperature of the Third-stage Extraction Steam from a 660 MW Ultra-supercritical Steam Turbine
.....CHENG Qi (270)

Analysis and Treatment of Multiple Leakages in Generators of 1 000 MW Ultra-supercritical Units
.....ZHANG Chunhua, WU Shijie, WANG Richeng, WANG An, JIANG Bohua (275)

Application of AMS 2140 System in the Vibration Fault Diagnosis of Primary Air Fan
.....ZHANG Xiaodie, LI Anxun, LIU Honglin, LI Yue, TONG Tiegang(280)

Research on the Optimization Scheme of Power Control and Protection System for the Drive Rod Mechanism of the Second-generation Plus Nuclear Power Plant
.....LIANG Anjiang, CHEN Weilong, GE Lei, ZHONG Wei, WANG Shuai, ZENG Yanghao (286)

Digitalization and Intelligentization

Research and Analysis on Automatic Control of Important Auxiliary Machines Tripping Under Low Load of Thermal Power Units
.....WANG Junyang, GONG Shishang, WANG Fei, LIU Hongpeng, DENG Tianxin, LI Jiawei (293)

Analysis of the Control Strategy for the BEST Converter in Double Reheat Units
.....TANG Wei (300)

New Energy Technology

Fault Diagnosis of Doubly-fed Wind Turbine Generator System Based on CNN Recognition of Vibration Spectrum
.....ZHU Sha, LI Xuyang, QIN Xiangyu (306)

Analysis of the Generation and Economic Characteristics of Different Types of Brackets Under the Background of Deepened Market-oriented Reform of New Energy On-grid Prices
.....HOU Shaopan, SONG Liang (318)

Energy Storage Technology

Deep Peak Regulation Scheme Design and Analysis for Thermal Power Units Based on High-temperature Molten Salt Thermal Energy Storage System
.....WANG Jinliang, ZHANG Lei, HE Fali, FENG Shuai, FENG Yan, LUO Wenhua, SONG Shixiong (325)