

THERMAL ENGINEERING

Pleiades
Publishing Group
Over **50** years
in the service of
science and education

Editor-in-Chief
Aleksy V. Dedov

<https://pleiades.online>
<https://link.springer.com>



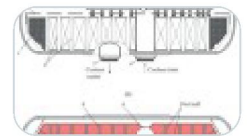
PLEIADES GROUP OF COMPANIES

Distributed by **SPRINGER NATURE**



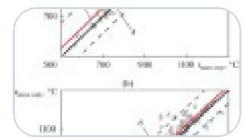
7 articles in this issue

Horizontal Steam Generators: Design Improvement and Experimental- and-Computational Studies (Review)



NUCLEAR POWER PLANTS | 29 April 2025 | Pages: 265 - 288

Computational and Experimental Studies of Reflooding Processes in a Large-Scale Model of a VVER Fuel Assembly



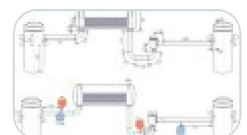
NUCLEAR POWER PLANTS | 29 April 2025 | Pages: 289 - 297

Experimental Study of the Core Cooling at the Reflooding Stage of a Large Break Loss-of-Coolant Accident



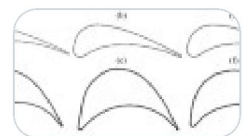
NUCLEAR POWER PLANTS | 29 April 2025 | Pages: 298 - 308

The Field of Acoustic Standing Waves in the VVER Reactor Coolant Circuits



NUCLEAR POWER PLANTS | 29 April 2025 | Pages: 309 - 320

Determining the Profile Loss of Flow Kinetic Energy in Turbine Cascades with the Use of Neural Networks



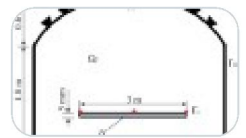
STEAM TURBINE, GAS TURBINE, AND COMBINED CYCLE PLANTS AND THEIR AUXILIARY EQUIPMENT

29 April 2025 | Pages: 321 - 333

Heat-Conduction Problems with Time-Variable Heat-Transfer Coefficients



**A Second-Order Mixed Finite Element Method for Convection-Radiation
Flows in Furnaces with Burners**



STEAM BOILERS, POWER PLANT FUEL, BURNERS, AND BOILER AUXILIARY EQUIPMENT |