

Volume 41, Number 6

ISSN: 0040-6015

June 1994

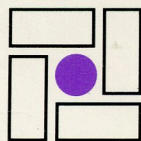
THERMAL ENGINEERING

Official English Translation of *Teploenergetika*

Editor-in-Chief
Viktor I. Dobrokhotov

Doctor of Sciences, Department Head of the Ministry of Science
and Technical Policy of the Russian Federation

**A Popular Scientific Journal of Original Papers on the Problems
of Thermal Energy and Engineering**



МАИК НАУКА/INTERPERIODICA PUBLISHING

Contents

Vol. 41, No. 6, 1994

The Implementation and Efficiency of Technological Methods for Suppressing Nitrogen Oxides at Thermal Power Stations <i>V. R. Kotler and Yu. P. Enyakin</i>	413
NO _x Control Using Furnace Combustion Techniques <i>L. W. Rodgers and T. A. Morris</i>	421
Pilot Sulfur-Trapping Plants <i>I. N. Shmigol' and B. V. Nekrasov</i>	427
Flue-Gas Desulfurization in Thermal Power Plants <i>P. S. Nolan</i>	434
A Study of the Nitrogen Oxide Content in the Surface Layer of the Air around the City of Moscow <i>E. P. Volkov, V. B. Prokhorov, N. D. Rogalev, S. V. Safronov, and A. A. Bekker</i>	439
A Sophisticated Model for Nitrogen Oxide Generation in Pulverized-Coal Furnaces <i>L. I. Zaichik, N. Yu. Kudryavtsev, A. A. Averin, and A. V. Usov</i>	443
Mathematical Simulation and Optimization as a Method for Settling Energy Conservation and Ecological Issues in Industrial Areas <i>A. B. Anokhin, V. I. Sitas, I. A. Sultanguzin, V. G. Khromchenkov, and A. V. Borodulin</i>	449
Influence of Perforated-Sheet Geometry on the Size of Departing Bubbles <i>V. A. Devyanin</i>	454
Optimization of Operating Conditions of Intracycle Fuel Gasification as Applied to Steam-Gas Plants at Thermal Power Stations <i>V. K. Sot'yakov, B. S. Belosel'skii, E. A. Gudymov, I. V. Semibratova, Nguen Van Lok, and B. M. Rodionov</i>	459
Numerical Experiments for Studying Heat-Transfer and Pressure-Drop Characteristics in the Intermediate Space of a Shell-and-Tube Heat Exchanger <i>V. V. Makarov</i>	464
Adapting High-Power Aircraft Gas-Turbine Engines for Power Plants <i>R. Z. Aminov, A. B. Koval'chuk, M. S. Doronin, A. G. Shcheglov, A. E. Borisenkov, A. A. Zabuga, and L. G. Shaufler</i>	472
Recommendations for Improving the Operating Reliability of Welded Steam-Pipeline Joints <i>Yu. M. Gofman</i>	476
Thermal Microprocessor Flowmeters <i>G. A. Sokolov, Yu. A. Novichkov, and A. A. Lyashenko</i>	479
The 54th Annual International Water Conference <i>O. I. Martynova</i>	482
Effect of the Weight Load on the Stressed State of the Steam Pipeline for an 800-MW Unit <i>D. P. Elizarov and L. A. Fedorovich</i>	485
List of Articles on Energy Conservation and Alternative Energy Sources Published in 1992 and 1993	490
Obituary. Mikhail Efimovich Deitch	494
Obituary. Zakhar Lazarevich Miropol'skii	495
