

Journal of Heat Transfer

June,
2010 |
Volume
132 |
Issue 6

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Tomography-Based Analysis of Radiative Transfer in Reacting Packed Beds Undergoing a Solid-Gas Thermochemical Transformation

Sophia Haussener, Wojciech Lipiński, Peter Wyss and Aldo Steinfeld

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Transfer. 2010;132(6):061201-061201-7.
doi:10.1115/1.4000749.

Simultaneous Measurement of Three-Dimensional Soot

Temperature and Volume Fraction Fields in Axisymmetric or Asymmetric Small Unconfined Flames With CCD Cameras

D. Liu, Q. X. Huang, F. Wang, Y. Chi, K. F. Cen and J. H. Yan

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doi:10.1115/1.4000752.

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Theory of Fractional Order

Generalized Thermoelasticity

Hamdy M. Youssef

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doi:10.1115/1.4000705.

Determination of Time-Delay Parameters in the Dual-Phase

Lagging Heat Conduction Model

J. Ordóñez-Miranda and J. J. Alvarado-Gil

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Hyungdae Kim, Ho Seon Ahn and Moo Hwan Kim

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Heat Transport Capability and Fluid Flow Neutron

Radiography of Three-Dimensional Oscillating Heat Pipes

B. Borgmeyer, C. Wilson, R. A. Winholtz, H. B. Ma, D. Jacobson and D. Hussey

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Research Papers: Forced Convection

Effect of Return Bend and Entrance on Heat Transfer in Thermally Developing Laminar Flow in Round Pipes of Some Heat Transfer Fluids With High Prandtl Numbers

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Flow at Low Reynolds Numbers in Minichannels

N. K. C. Selvarasu, Danesh K. Tafti and Neal E. Blackwell

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Effects of Insulated and
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Pseudosteady-State Natural Convection Inside Spherical Containers

Yuping Duan, S. F. Hosseinizadeh and J. M. Khodadadi

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CFD-Based Design of

Heat Transfer in a Water Film Flowing Over a Heated Plane

Adrien Aubert, Fabien Candelier and Camille Sollicc

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Semi-Analytical Solution for

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Independent Reduced-Order

Modeling of Heat Transfer in Complex Objects by POD-Galerkin Methodology: 1D Case Study

Arun P. Raghupathy, Urmila Ghia, Karman Ghia and William Maltz

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Combined Effects of Joule
Heating and Viscous Dissipation

on Magnetohydrodynamic Flow Past a Permeable, Stretching Surface With Free Convection and Radiative Heat Transfer

Chien-Hsin Chen

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