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Syed M. Zubair, A. F. M. Arif and Mostafa H. Sharqawy

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doi:10.1115/1.4000054.

Confocal Microscopy for Capillary Film Measurements in

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Frédéric Lefèvre, Romuald Rullière, Stéphane Lips and Jocelyn Bonjour

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Flow Boiling Visualization of R-134a in a Vertical Channel of

Small Diameter

Claudi Martín-Callizo, Björn Palm, Wahib Owhaib and Rashid Ali

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Research Papers: Experimental Techniques

Convection Calibration of Schmidt–Boelter Heat Flux Gauges in Stagnation and Shear Air Flow

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David O. Hubble and Tom E. Diller

A Hybrid Method for Measuring Heat Flux

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Fluorescence and Fiber-Optics Based Real-Time

Thickness Sensor for Dynamic Liquid Films

T. W. Ng, A. Narain and M. T. Kivisalu

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Research Papers: Forced Convection

On the Mach Number

Invariance of Gas Jets Expanding Into Hot or Cold Environments

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Flow Visualization and Local Measurement of Forced

Convection Heat Transfer in a Microtube

Boris Schilder, Simon Yu Ching Man, Nobuhide Kasagi, Steffen Hardt and Peter Stephan

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Ultra-Low Thermal Conductivity in Nanoscale

Layered Oxides

J. Alvarez-Quintana, Ll. Peralba-Garcia, J. L. Lábár and J. Rodríguez-Viejo

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Nonuniform Thickness: A Lumped System Analysis

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Inverse Heat Conduction in a Composite Slab With Pyrolysis

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Investigation of Heat Transfer Enhancement Through

Permeable Fins

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Heat Transfer Characterization of Two

Isothermal Circular Cylinders in Proximity

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