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Foreword

ORIGINAL PAPERS

Infrared thermography applied to the resolution of inverse heat conduction problems: recovery of heat line sources and boundary conditions

by Christophe Le Niliot, Paulin Gallet

Wall heat transfer in static and rotating 180° turn channels by quantitative infrared thermography

Gennaro Cardone, Tommaso Astarita, Giovanni Maria Carlomagno

Natural and forced convective heat transfer on slender cylinders

Jean-Marie Buchlin

Experimental characterization of the convective heat transfer in a vortex-wall interaction

Philippe Reulet, Muriel Marchand, Pierre Millan

Corrosion evaluation by thermal image processing and 3D modelling

Ermanno Grinzato, Vladimir Vavilov

Time-resolved infrared radiometry with step heating. A review

Robert Osiander, Jane W.M. Spicer

Lock-in thermography for nondestructive evaluation of materials

Datong Wu, Gerd Busse

A study of defect depth using neural networks in pulsed phase thermography: modelling, noise, experiments

Xavier Maldague, Yves Largouet, Jean-Pierre Couturier

Statistical treatment applied to infrared thermoelastic analysis of applied and residual mechanical stresses

Stephan Offermann, Claude Bissieux, Jean-Louis Beaudoin

EMIR: a photothermal tool for electromagnetic phenomena characterization

Daniel Balageas, Patrick Levesque