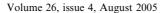


Available online at www.sciencedirect.com







www.elsevier.com/locate/ijhff

CONTENTS

Special Issue

Selected Papers from the 3rd International Symposium on Advances in Computational Heat Transfer (CHT 04). The Symposium was held on board the MS Midnatsol, a Hurtigruten Coastal steamer, during its voyage down the Norwegian coast between Kirkenes and Bergen in June 2004

Preface	529
Heat transfer enhancement by using nanofluids in forced convection flows S.E.B. Maïga, S.J. Palm, C.T. Nguyen, G. Roy and N. Galanis	530
The effect of wall temperature fluctuations on the heat transfer and fluid flow occuring in a liquid enclosure E. Semma, V. Timchenko, M. El Ganaoui and E. Leonardi	547
Predictions for particle deposition from LES of ribbed channel flow G. Lo Iacono, P.G. Tucker and A.M. Reynolds	558
Contribution to elliptic relaxation modelling of turbulent natural and mixed convection S. Kenjereš, S.B. Gunarjo and K. Hanjalić	569
Natural convection in a rectangular enclosure with two heated sections on the lower surface P.H. Oosthuizen and J.T. Paul	587
Finite element moving mesh analysis of phase change problems with natural convection R.T. Tenchev, J.A. Mackenzie, T.J. Scanlon and M.T. Stickland	597
A study of low-power density laser welding process with evolution of free surface EJ. Ha and WS. Kim	613
Numerical computation of magnetothermal convection of water in a vertical cylindrical enclosure M. Akamatsu, M. Higano, Y. Takahashi and H. Ozoe	622
Efficiency improvements of electromagnetic flow control E. Spong, J.A. Reizes and E. Leonardi	635
Pulsed, supersonic fuel jets—A review of their characteristics and potential for fuel injection B.E. Milton and K. Pianthong	656
Entropy production calculation for turbulent shear flows and their implementation in cfd codes F. Kock and H. Herwig	672



CONTENTS This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for ContentsDirect online at: http://contentsdirect.elsevier.com