



INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER

AUTHOR INFORMATION PACK

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ISSN: 0735-1933

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International Communications in Heat and Mass Transfer serves as a world forum for the rapid dissemination of new ideas, new measurement techniques, preliminary findings of ongoing investigations, discussions, and criticisms in the field of **heat** and **mass transfer**. Two types of manuscript will be considered for publication: communications (short reports of new work or discussions of work which has already been published) and summaries (abstracts of reports, theses or manuscripts which are too long for publication in full). Together with its companion publication, *International Journal of Heat and Mass Transfer*, with which it shares the same [Board of Editors](#), this journal is read by research workers and engineers throughout the world.

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- [2] E.R.G. Eckert, H.H. Cho, Transition from transpiration to film cooling, *International Journal of Heat and Mass Transfer* 37 (suppl. 1) (1994) 3-8.
- [3] A. Bejan, *Convection Heat Transfer*, second ed., Wiley, New York, 1995, pp. 62-75.
- [4] M. Kaviany, Heat transfer in porous media, in: W.M. Rohsenow, J.P. Hartnett, Y.I. Cho (Eds.), *Handbook of Heat Transfer*, McGraw-Hill, New York, 1998, pp. 9.32-9.43.
- [5] W.-T. Yang, Two-phase swirl flow, PhD thesis, University of Illinois, Chicago, IL, 1997.
- [6] S.P. Vanka, Efficient computation of viscous internal flows, SBIR Phase-I Report, NAS3-25573, Propulsion Research Associates, Westmont, IL, August 1989.
- [7] J. Davids, D. Smith, *Analysis of constant-velocity joints under high torque*, HMSO, London, 1996, pp. 1-8.
- [8] V.P. Carey, Modeling of microscale transport in multiphase systems, in: J.S. Lee (Ed.), *Proceedings of the Eleventh Heat Transfer Conference*, Taylor & Francis, Philadelphia, PA, 1998, pp. 23-40.
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