

RESEARCH PUBLICATIONS IN CONFERENCE PROCEEDINGS

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- *R. B. Mansour and R. Viskanta*, "**Fluid Flow and Heat Transfer in Shallow Cavities Driven By Shear and Buoyancy**," presented in ASME Winter Annual meeting, Anaheim, California, Nov. 1992, in Fundamentals of Mixed Convection, T.S. Chen and T.Y. Chu, eds., ASME, New York, HTD-Vol. 213, PP 31-42.
- *R. Ben Mansour and R. Viskanta*, "**Experimental and theoretical investigation of mixed convection in shear-driven and buoyancy-aided vertical cavity**," Proceedings of The Tenth International Heat Transfer Conference, Brighton, UK, (Dec, 1994) Vol. 5, pp. 525-530.
- *B. R. Ghilhome, J. W. Saunders, R. B. Mansour, H. D. Holmes and W. H. Melbourne*, "**The fluctuating pressures on the rear of a passenger vehicle**", refereed and presented at 13th Australian Fluid Mechanics Conference, Monash University, Melbourne Australia, 13-18 December 1998.
- *J. W. Saunders and R. B. Mansour*, "**On-road and wind tunnel turbulence and its measurement using a four-hole dynamic probe ahead of several cars**", SAE Technical paper 2000-01-0350, Society of Automotive Engineering 2000 congress, Detroit, Michigan March 2000.
- *R. B. Mansour and J. W. Saunders*, "**Reduction of Dust from Open Container Vehicles Transporting Granular Materials**", Proc. of The First Saudi Science Conference,, Dhahran, Saudi Arabia, April 2001, Vol. 2, pp. 215-232.
- *H.M. Badr, M.A. Habib, R. B. Mansour and S.A. Said*, "**Effect Of Flow Velocity And Particle Size On Erosion In A Pipe With Sudden Contraction**", Proc. of the 6th Saudi Engineering Conference, KFUPM, Dec. 2002, Vol. 5, pp. 79-95.
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- *R. B. Mansour and L. L. Al-Hadhrami*, “**Fluid flow and heat transfer in a turbine blade internal-cooling channel and its entrance region**”, in the Proc. of the First International Exergy, Energy and Environment Symposium, 13-17 July 2003, Izmir, Turkey; pp. 207-213.
- A.M. Al-Nasser, **R. Ben-Mansour**, H.A. Al-Said, A.M. Doughan, “**Prediction of a Packaged Air Conditioning Unit Flow and Heat Transfer Characteristics: Experimental and Numerical Study**”, ICTEA, Lebanon, May 2004.
- *R. Ben-Mansour*, “**CFD-Aided Design of Environmentally-friendly Open-Container Vehicles Transporting Dusty Materials**”, Proceedings of IMEC2004, International Mechanical Engineering Conference, December 5-8, 2004, Kuwait, pp. 847-865.
- A.M. Al-Nasser, **R. Ben-Mansour**, H.A. Al-Said, A.M. Doughan, “**Analysis Of Packaged Air Conditioning Unit Using Computational Fluid Dynamic**”, Proceedings of IMEC2004, International Mechanical Engineering Conference, December 5-8, 2004, Kuwait, pp. 387-404.
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