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Topics

Heat and mass transfer Simulation, Modeling and Experimental Research in heat and mass transfer Refrigeration Air-Conditioning Simulation, Modeling and Experimental Research in Refrigeration and Air-Conditioning Transport Phenomena Mathematical Physics problems Diffusion convection Conduction problems Internal Combustion Engines Combustion Steam Generators Thermal Installations Steam-turbines Steam-generators Natural and forced convection Phase change Metal casting Welding, forging and other processes Heat exchangers Bio-heat transfer problems Heat Engineering and Electroscience Micro and Nano Scale Heat Transfer Turbulent heat transfer Heat storage Electronic cooling Air pollution modeling Urban air pollution Transport emissions Global and regional studies Climatology Indoor pollution Pollution engineering Aerosols and particles Emission of Pollutants from Thermal Engines Biogenics, agriculture and landfill emissions Environmental protection Management of heating resources Geoscience Solar Energy Thermal Applications of Solar Energy Renewable energy Industrial applications Energy applications Natural resources Surface/Groundwater resources Soil and rock properties Mineral resources Geological chemistry Atmospheric chemistry Health effects Remote sensing Waste Management Solid Waste Processing Waste pre-treatment Waste Storage Waste Compaction Recycling Bio-Recycling Waste Logistics Water protection Clean Technologies Thermal Pollution in Ecosystems Coastal erosion and sedimentation Sea protection Sea Science Coastal protection Harbours and marinas protection Risk analysis Food contamination Chemical risk assessment Alternative Fuels Social and economic issues

Articles:

Visco-Elastic MHD Boundary Layer Flow with Heat and Mass Transfer over a Continuously Moving Inclined Surface in Presence of Energy Dissipation Authors: Rita Choudhury, Paban Dhar, Debasish Dey

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The Effect of MHD on Laminar Mixed Convection of Newtonian Fluid between Vertical Parallel Plates Channel

Authors: Rasul Alizadeh, Alireza Darvish Behanbar

<u>The Numerical Simulation of Double-Diffusive Laminar Mixed Convection Flow in a Lid-Driven Porous Cavity</u> Authors: Shashak Misra, A. Satheesh, C. G. Mohan, P. Padmanathan

Soret and Dufour Effects on Natural Convection Heat and Mass Transfer Flow past a Horizontal Surface in a Porous Medium with Variable Viscosity Authors: M. B. K. Moorthy, T. Kannan, K. Senthilvadivu

<u>Thermochemical Non-Equilibrium Reentry Flows in Two-Dimensions: Eleven Species Model – Part II</u> Authors: Edisson Sávio De Góes Maciel, Amilcar Porto Pimenta

The Characteristics of Cooling on Heat Sink Using a Cross Flow Synthetic Jet Actuated by Variation of Wave Function

Authors: Harinaldi, Arief Randy, Aldy Andika, Damora Rhakasywi

Influence of Rheological Behavior of Nanofluid on Heat Transfer Authors: Adnan Rajkotwala, Jyotirmay Banerjee

<u>Thermochemical Non-Equilibrium Reentry Flows in Two-Dimensions: Eleven Species Model – Part I</u> Authors: Edisson Sávio De Góes Maciel, Amilcar Porto Pimenta

<u>One-Dimensional Fractional Quasi-Static Thermoelasticity Problem for a Half-Space</u> Authors: L. A. Fil'Shtinskii, T. A. Kirichok, D. V. Kushnir

Premixed Charge Compression Ignition in a Direct Injection Diesel Engine using Computational Fluid Dynamics

Authors: R. Manimaran, R. Thundil Karuppa Raj, K. Senthil Kumar

<u>Similarity Methods in the Analysis for Laminar Forced Convection on a Horizontal Plate</u> Authors: Adnan K. Al-Salihi, A. H. Hasmani, M. G. Timol

<u>Starting Effects on the Performance of a Reciprocating Piston Pump Driven by a Wind Machine</u> Authors: Mahmoud Mohamed El-Ghobashy El-Hagar