

Research Interests



Heat transfer (Forced/Mixed convection) and fluid flow about a solid/liquid rotating/non-rotating sphere.



Heat Transfer in 2-D Composite walls with conduction/convection and radiation in enclosed cavities.



Desiccant technology application in Air Conditioning systems



Optimization and Thermoeconomics of thermodynamic systems, e.g Power plants, Refrigeration systems,...



Heat Transfer Characteristics and optimization of extended surface



Use of Spreadsheet to solve numerical Heat transfer problems for research/educational areas.



Entropy generation in Heat Transfer Systems



Emissions from Internal Combustion Engines.



Cooling of electronic equipment (Microscale Heat Transfer).



Heat transfer and fluid flow in a Lid Driven Cavity



Water desalination