

Pourbahram Mehdi

Acoustics Research Laboratory, Iran University of Science and Technology, Tehran, Iran

Personal Information



Name : Pourbahram, Mehdi
Marriage Statues : Single
Birth Place : Kelardasht-Mazandaran-Iran
Birth Date : 3/8/1994

Education

B.S.C.....

2012-2015 Mechanical Enginireeng , Urmia University of technology

M.S.C.....

2016-2019 Mechanical Enginireeng , amirkabir university of technology

P.H.D.....

2019- Mechanical Enginireeng , iran university of science and technology

Skills

programming knowlage.....

Fortran , C++ , Python

Computer Knowlage.....

Objected oriented and Multi Language interface Programing in Linux Platform, Parallel processing

Computation Tools.....

OpenFOAM C++ Libraries, MATLAB, MAPLE , COMSOL , ANSYS

Projects

Bsc These.....

Subject

Numerical Analysis of magnetic Field effect on force convective heat transfer nano fluid in sinusoidal channel **About These**

The object is enhancing heat transfer with added magnetizable nano-particles to base fluid and effect on flow with magnetic force that make high speed flow velocity near the boundaries and enhance the heat transfer.

Msc These.....

Subject

Numerical Analysis of Acoustic Beam interaction with Fluid free Surface

About These

The object is atomize or design a droplet with special diameter that ejects from Liquid free surface with special property. this called Acoustic Atomization .

PHD Research Field.....

Subject

Noise and Vibration Active Control

active noise control is a very important problem in many application that needs to reduce or generate noise and guide noise to special direction that called acoustic Beam. in other application the purpose is to generate acoustic beam and control its direction to effect on some abject and destroy it.

Research Interest

Compressible Flow, Multiphase Flow, Acoustic, Active Control, Deep Learning , Nonlinear Structural Vibration, Acoustic and Fluid Structure interaction, Analytical Methods in Nonlinear Problems, Magneto Hydro-Dynamics , Numerical Model-Based And Model Free Optimization

Reference

Hamid.Naderan Tahan , hnaderan@iut.ac.ir

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