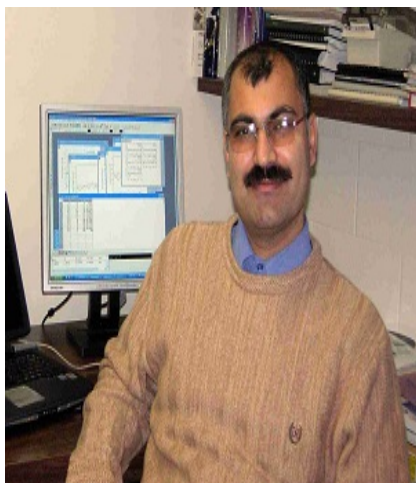




Amin Behzadmehr Professor

Faculty : Engineering

Departments : Mechanical Engineering

Phone : +9854 - 31136294

Email : amin.behzadmehr@eng.usb.ac.ir

Address : Dept.of Mechanical Engineering, Faculty of Engineering, University of Sistan and Baluchestan, Daneshgah Ave., Zahedan, Iran.

Education

- ✓ B.Sc, Mechanical Engineering, Sistan and Baluchestan University - 1989
- ✓ MS, Mechanical Engineering, Tabriz University - 1995
- ✓ PhD, Mechanical Engineering, Sherbrooke - 2004

Courses

- | | |
|---|---------------------------------|
| 1. Convective Heat Transfer | 2. Computational Fluid Dynamics |
| 3. Energy Conversion Methods | 4. Micro and Nano Flow |
| 5. Selected Topics in Energy Conversion | 6. Thermodynamics 2 |

Master Thesis

1. Synthesis and Characterization of Polyvinylidene Fluoride Nanofibers Using Electrospun Method

سهيل منصوري, [Tahereh Fanaei Sheikholeslami, Amin Behzadmehr,]

نیمسال دوم سال تحصیلی 94-95

2. fabrication and study heat transfer in the copper layer- aluminum foam composites

اعظم ندافی, [Ghodratollah Roudini, Amin Behzadmehr]

نیمسال اول سال تحصیلی 93-92

3. numerical and Experimental investigation of subcooled flow Boiling of nano fluid

احسان عابدینی, [Amin Behzadmehr,]

نیمسال اول سال تحصیلی 89-88

Journals Papers

2022

1. Design and Optimization of a Spiral Electrode Triboelectric Nanogenerator Using Response Surface Methodology

Mohammad ali Heydari, Tahereh Fanaei Sheikholeslami, Amin Behzadmehr

Advances in Electrical and Electronic Engineering Volume: (20) 204 - 215

2. بهینه سازی چندهدفه چرخه رانکین آلی تولید همزمان توان، آبشیرین و حرارت: تعیین سیال سه زیی مناسب

Mahdi Rahmdel, Amin Behzadmehr, Hamed Farzaneh, Faramarz Sarhaddi

Volume: (54) 1125 - 1148

3. Energy and exergy numerical analysis of alkali metal thermal-to-electric converter

Amin Rava, Amin Behzadmehr, Tahereh Fanaei Sheikholeslami

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: (147) 10461 - 10479

4. طراحی و بهینه سازی چندهدفه یک میکروپمپ هیدرودینامیک مغناطیسی تزریق دارو

Babak Zahed, Amin Behzadmehr, Hassan Azarkish, Tahereh Fanaei Sheikholeslami, Miri-Aliabad Ghasem

Volume: (53) 1-12 - 26-12

5. Design and fabrication of a spiral electrode triboelectric nanogenerator and application as zero power dynamic sensor

Mohammad ali Heydari, Tahereh Fanaei Sheikholeslami, Amin Behzadmehr

FME Transactions Volume: (50) 294 - 301

6. Design and Fabrication of a New MHD Micropump for Continuous Subcutaneous Infusion to Thalassemia Major Patients

Babak Zahed, Amin Behzadmehr, Ghasem Miri-Aliabad, Tahereh Fanaei Sheikholeslami, Hassan Azarkish

Zahedan Journal of Research in Medical Sciences Volume: (24) -

2021

7. Fabrication and characterization of a flexible nanogenerator using reverse electrowetting concept

Mehdi Sansebli, Yegane Gorgij, Amin Behzadmehr, Tahereh Fanaei Sheikholeslami

Volume: (53) 1-16 - 15-16

8. Analytical solution of pulsating flow and forced convection heat transfer in a pipe filled with porous medium

, Faramarz Sarhaddi, Amin Behzadmehr

Journal of Computational Applied Mechanics Volume: (52) 567 - 584

9. Stability of Nanofluid-Surfactants as Volumetric Receivers in Parabolic Trough Solar Collectors; a Molecular Dynamic Approach

Hamed Farzaneh, Amin Behzadmehr, Abdolreza Samimi

Transport Phenomena in Nano and Micro Scales Volume: (9) 109 - 116

10. Passive heat transfer enhancement of laminar mixed convection flow in a vertical dimpled tube

M. Toofani Shahraki, A. Lavajoo, Amin Behzadmehr

Journal of Central South University Volume: (28) 3477 - 3490

2020

11. Numerical investigation of turbulent heat transfer enhancement using combined propeller-type turbulator and nanofluid in a circular tube

, Amin Behzadmehr, Samira Payan

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY Volume: (140) 1029 - 1044

12. Numerical Analysis of Thermal Multilayer Insulations with carbon nanofiber spacers

Sayyed abbas Talebi, Amin Behzadmehr, Samira Payan

Volume: (49) 145 - 154

13. Effects of magnetic field on the liquid gallium thermosyphon fluid flow; a numerical study

Hamid Teimouri, Amin Behzadmehr

INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT and FLUID FLOW Volume: (30) 681 - 703

14. بررسی عددی عایق های چندلایه گرمایی با جداکننده های نانو الیاف کربن

Sayyed abbas Talebi, Amin Behzadmehr, Samira Payan

Volume: (49) 155 - 164

2019

15. Investigation on the electrospun PVDF/NP-ZnO nanofibers for application in environmental energy harvesting

, Tahereh Fanaei Sheikholeslami, Amin Behzadmehr

Journal of Materials Research and Technology-JMR and T Volume: (8) 1608 - 1615

16. Numerical investigation of a thermosyphon MHD electrical power generator

Hamid Teimouri, Amin Behzadmehr

ENERGY CONVERSION AND MANAGEMENT Volume: (187) 378 - 397

17. Numerical Study of the Effect of Grashof Number on the Mixed Convection Heat Transfer of Laminar Flow in Horizontal Curved Enhanced Heat Transfer Vortex Tube

Sadegh Alikhani, , Amin Behzadmehr

Volume: (19) 1429 - 1437

18. Effects of multi walled carbon nanotubes shape and size on thermal conductivity and viscosity of nanofluids

A.N. Omrani, E. Esmaeilzadeh, M. Jafari, Amin Behzadmehr

DIAMOND AND RELATED MATERIALS Volume: (93) 96 - 104

19. Numerical study of the effects of surface roughness on the mixed convection heat transfer of a laminar flow inside a horizontal curved dimpled tube

, S. Alikhani, Amin Behzadmehr

HEAT AND MASS TRANSFER Volume: (55) 2009 - 2016

20. A trained neural network for the prediction of optimum operation mode of a Stirling engine

, Faramarz Sarhaddi, Amin Behzadmehr

International Journal of Mechanical and Production Engineering Research and Development Volume: (9) 293 - 306

21. Proposal and assessment of a novel hybrid system for water desalination using solar and geothermal energy sources

, Amir Ebrahimi-Moghadam, Amin Behzadmehr, Mahmood Farzaneh-Gord

DESALINATION Volume: (467) 229 - 244

2018

22. Effect of Source Solution Components on Quality of Electrospun PVDF Nanofibers for Nanogenerator Application

, Tahereh Fanaei Sheikholeslami, Amin Behzadmehr, Amir hasan Mahdizadeh moghaddam

Journal of Nano- and Electronic Physics Volume: (10) 10001-1 - 10001-7

23. Investigation of thermo-fluid behavior of mixed convection heat transfer of different dimples-protrusions wall patterns to heat transfer enhancement

, Amin Behzadmehr

HEAT AND MASS TRANSFER Volume: (54) 3219 - 3229

24. Numerical analysis of an integrated desalination unit using humidification-dehumidification and subsurface condensation processes

, S. Farsad, Amin Behzadmehr

DESALINATION Volume: (433) 172 - 185

25. Numerical investigation of the effect of nanoparticles on thermal efficiency of phase change materials

Mohsen Irani, Faramarz Sarhaddi, Amin Behzadmehr

Acta Technica CSAV (Ceskoslovensk Akademie Ved) Volume: (63) 625 - 632

26. تحلیل حرارتی دیوار خورشیدی مجهز به ماده تغییر فاز حای نانو ذرات

Mohsen Irani, Faramarz Sarhaddi, Amin Behzadmehr

Volume: () -

27. Numerical investigation of heat and mass transfer flow under the influence of silicon carbide by means of plasma-enhanced chemical vapor deposition vertical reactor

Kamel Milani Shirvan, Rahmat Ellahi, Tahereh Fanaei Sheikholeslami, Amin Behzadmehr

NEURAL COMPUTING and APPLICATIONS Volume: (30) 3721 - 3731

2017

28. Copper laminated composites reinforced with Al₂O₃ nanoparticles by suspension method and hot pressing

Ghodratollah Roudini, Amir RASTY GHAFHAROKHI, Amin Behzadmehr

KEY ENGINEERING MATERIALS Volume: (201) 1 - 5

29. Effect of injection angle on artificial cavitation using the design of experiment method

M. Ghorbani Shahr-e-Babaki, Ahmad Jamali keykha, Amin Behzadmehr

Journal of Marine Science and Application Volume: (16) 173 - 181

30. Heat Transfer Enhancement in a Stagnant Dielectric Liquid by the Up and Down Motion of Conductive Particles Induced by Coulomb Forces

Ghiyam Eslami, Esmaeil Esmaeilzadeh, Pablo Garcia-Sanchez, Amin Behzadmehr, Sima Baheri Islami

Journal of Applied Fluid Mechanics Volume: (10) 169 - 182

2016

31. Stability of nanofluids Molecular dynamic approach and experimental study

, Amin Behzadmehr, M . Yaghoubi, Abdolreza Samimi, S.M.H . Sarvari

ENERGY CONVERSION AND MANAGEMENT Volume: (111) 1 - 14

32. Analysis of a solar desalinator (humidification–dehumidification cycle) including a compound system consisting of a solar humidifier and subsurface condenser using DoE

, Amin Behzadmehr,

DESALINATION Volume: (397) 9 - 21

33. Experimental investigation of subcooled flow boiling of water/TiO₂ nanofluid in a horizontal tube

, , , Amin Behzadmehr

Thermal Science Volume: (20) 99 - 106

34. Investigating the effects of nanoparticles mean diameter on laminar mixed convection of a nanofluid through an inclined tube with circumferentially nonuniform heat flux

Sh. Allahyari, A. Ghaderi, Amin Behzadmehr, K. Fallah, M. H. Nasimi, M. Hassani

Journal of Engineering Thermophysics Volume: (25) 563 - 575

2015

35. Optimization of a PV/T (photovoltaic/thermal) active solar still

Farhad Saeedi, Faramarz Sarhaddi, Amin Behzadmehr

ENERGY Volume: (87) 142 - 152

36. Performance of potassium bicarbonate and Calcium Chloride draw solutions for desalination of saline water using forward osmosis

, Abdolreza Samimi, , Amin Behzadmehr

Transport Phenomena in Nano and Micro Scales Volume: () 29 - 36

37. RECONSTRUCTION OF TEMPERATURE DISTRIBUTION IN THE COMBUSTION REGION OF A NON-GRAY MEDIUM

Samira Payan, , Amin Behzadmehr

NUMERICAL HEAT TRANSFER PART A-APPLICATIONS Volume: () 908 - 924

38. EFFECTS OF BLOCKAGE RATIO AND PRANDTL NUMBER ON STEADY FLOW AND HEAT TRANSFER AROUND AN INCLINED SQUARE CYLINDER.

, Alireza Hossein Nezhad Devin, Amin Behzadmehr

HEAT TRANSFER RESEARCH Volume: (46) 541 - 562

39. Experimental and numerical investigation of a shaped microchannel evaporator for a micro Rankine cycle application

, s. arsalan, Amin Behzadmehr, Tahereh Fanaei Sheikholeslami, , L.G. Frechette

INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: (96) 191 - 200

40. Water evaporation phenomena on micro and nanostructured surfaces

, Amin Behzadmehr, Tahereh Fanaei Sheikholeslami, S.M.H. Sarvari, L.G. Frechette

INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: (90) 112 - 121

41. Effects of Inclination Angle on Mixed Convection Heat Transfer of a Nanofluid in a Square Cavity

M . Izadi, Amin Behzadmehr, M. M . Shahmardan

International Journal of Computational Methods in Engineering Science and Mechanics Volume: (16) 11 - 21

2014

42. Effects of discret source-sink arrangements on mixed convection in a square cavity filled by nanofluid

Mohsen Izadi, Amin Behzadmehr, Mohammad Mohsen Shahmardan

KOREAN JOURNAL OF CHEMICAL ENGINEERING Volume: (31) 12 - 19

43. Solar absorptivity of nano-porous anodic alumina(NPAA): effects of structural features

, Abdolreza Samimi, Amin Behzadmehr

JOURNAL OF POROUS MATERIALS Volume: () 331 - 336

44. طراحی تابشی معکوس مرزی محفظه های احتراقی با محیط جذب کننده- صادر کننده غیر خاکستری

Samira Payan, , Amin Behzadmehr

NUMERICAL HEAT TRANSFER PART A-APPLICATIONS Volume: (65) 1114 - 1137

45. Numerical Study of Operating Pressure Effect on Carbon Nanotube Growth Rate and Length Uniformity

Babak Zahed, Tahereh Fanaei Sheikholeslami, Amin Behzadmehr, Hossein Atashi

Transport Phenomena in Nano and Micro Scales Volume: (2) 78 - 85

46. A novel silicon bi-textured micropillar array to provide fully evaporated steam for a micro-Rankine cycle application

, Amin Behzadmehr, Tahereh Fanaei Sheikholeslami, S M H Sarvari, L G Fréchette

JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: (47) 475301-1 - 475301-7

47. Cooling performance of a nanofluid flow in a heat sink microchannel with axial conduction effect

M . Izadi, M. M . Shahmardan, M. Norouzi, A. M. Rashidi, Amin Behzadmehr

APPLIED PHYSICS A-MATERIALS SCIENCE and PROCESSING Volume: (117) 1821 - 1833

2013

48. Numerical investigation of subcooled flow boiling of a nanofluid

, Amin Behzadmehr, Seyyed Masoud Hosseini Sarvari, Seyyed Hossein Mansouri

INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: (64) 232 - 239

49. Richardson number ratio effect on laminar mixed convection of a nanofluid flow in an annulus

M. Izadi, M. M. Shahmardan, Amin Behzadmehr

International journal for computational methods in engineering science and mechanics Volume: (14) 304 - 316

50. Inverse estimation of temperature profile in a non-gray medium with soot particles between two parallel plates

Samira Payan, Seyyed Masoud Hosseini Sarvari, Amin Behzadmehr

NUMERICAL HEAT TRANSFER PART A-APPLICATIONS Volume: (63) 31 - 54

51. Effect of nanoporous anodic aluminum oxide (AAO) characteristics on solar absorptivity

Abdolreza Samimi, Amin Behzadmehr

Transport Phenomena in Nano and Micro Scales Volume: (1) 110 - 116

52. Experimental investigation and comparison of subcooled flow boiling of TiO₂ nanofluid in a vertical and horizontal tube

, Amin Behzadmehr, , Seyyed Masoud Hosseini Sarvari, Seyyed Hossein Mansouri

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE Volume: (1) 1 - 12

53. Numerical study of developed laminar mixed convection of Al₂O₃/water nanofluid in an annulus

M. Izadi, M. M. Shahmardan, M. J. Maghrebi, Amin Behzadmehr

CHEMICAL ENGINEERING COMMUNICATIONS Volume: (200) 878 - 894

54. Investigation of the effect of nanoparticles mean diameter on turbulent mixed convection of a nanofluid in a horizontal curved tube using a two phase approach

, Amin Behzadmehr

Transport Phenomena in Nano and Micro Scales Volume: (1) 64 - 74

55. Analysis of SiC deposition rate in a tubular hot wall reactor with polymeric source using DOE method

, Tahereh Fanaei Sheikholeslami, Amin Behzadmehr

JOURNAL OF ELECTRONIC MATERIALS Volume: (42) 931 - 938

56. NUMERICAL STUDY OF DEVELOPED LAMINAR MIXED CONVECTION OF Al₂O₃/ WATER NANOFLUID IN AN ANNULUS

, , , Amin Behzadmehr

CHEMICAL ENGINEERING COMMUNICATIONS Volume: () 878 - 894

57. Numerical investigation of subcooled flow boiling of a nanofluid

, Amin Behzadmehr, ,

INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: () 232 - 239

58. Analysis of SiC Deposition Rate in a Tubular Hot-Wall Reactor with Polymeric Source Using the DoE Method

, Tahereh Fanaei Sheikholeslami, Amin Behzadmehr

JOURNAL OF ELECTRONIC MATERIALS Volume: () 931 - 938

2012

59. Computational modeling of adherent cell growth in a hollow-fiber membrane bioreactor for large-scale 3-D bone tissue engineering

Davod Mohebbi Kalhori, Amin Behzadmehr, Charles J. Doillon, Afra hadjizadeh

Journal of artificial organs Volume: (15) 250 - 265

60. Optimum shape design of a radiant oven by the conjugate gradient method and a grid regularization approach

, Seyyed Masoud Hosseini Sarvari, Amin Behzadmehr

International journal of engineering Volume: (25) 167 - 176

61. Comparative assesment of single and two-phase models for numerical studies of nanofluid turbulent forced convection

M. Akbari, N. Galanis, Amin Behzadmehr

INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW Volume: (37) 136 - 146

62. Effects of nanoparticles mean diameter on the particle migration and thermo-hydraulic behavior of lminar mixed convection of a nanofluid in an inclined tube

S. Mirmasoumi, Amin Behzadmehr

HEAT AND MASS TRANSFER Volume: (48) 1297 - 1308

63. Comparative assessment of single and two-phase models for numerical studies of nanofluid turbulent forced convection

, , Amin Behzadmehr

INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW Volume: () 136 - 146

64. Effects of nanoparticles mean diameter on the particle migration and thermo-hydraulic behavior of laminar mixed convection of a nanofluid in an inclined tube

, Amin Behzadmehr

HEAT AND MASS TRANSFER Volume: () 1297 - 1308

2011

65. Numerical study of nanofluid mixed convection in a horizontal curved tube using two-phase approach

, Amin Behzadmehr,

HEAT AND MASS TRANSFER Volume: (47) 107 - 118

66. Conjugate heat transfer of laminar mixed convection of a nanofluid through an inclined tube with circumferentially non-uniform heating

Amin Behzadmehr, ,

Nanoscale and Microscale Thermophysical Engineering Volume: (6) 11938 - 11943

67. Comparative analysis of single and two-phase models for CFD studies of nanofluid heat transfer

Amin Behzadmehr, n galanis,

INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: () 1343 - 1354

68. Numerical study of two phase laminar mixed convection nanofluid in elliptic ducts

, Alireza Hossein Nezhad Devin, Amin Behzadmehr

APPLIED THERMAL ENGINEERING Volume: (255) 2149 - 2160

69. Effects of inclination angle on the steady flow and heat transfer of power-law fluids around a heated inclined square cylinder in a plane channel

, Alireza Hossein Nezhad Devin, Amin Behzadmehr

JOURNAL OF NON-NEWTONIAN FLUID MECHANICS Volume: (31) 2348 - 2356

70. Periodic mixed convection of a nanofluid in a cavity with top lid sinusoidal motion

, Alireza Hossein Nezhad Devin, Amin Behzadmehr,

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE Volume: (225) 2149 - 2160

71. Conjugate heat transfer of laminar mixed convection of a nanofluid through a horizontal tube with circumferentially non-uniform heating

, Amin Behzadmehr,

INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: () 1963 - 1972

2010

72. Exergy efficiency of a solar photovoltaic array based on exergy destructions

, Said Farahat, , Amin Behzadmehr

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART A-JOURNAL OF POWER AND ENERGY Volume: (244) 813 - 825

73. An improved thermal and electrical model for a solar photovoltaic thermal (PV/T) air collector

, Said Farahat, , Amin Behzadmehr

APPLIED ENERGY Volume: () 2328 - 2339

74. Optimum geometry design of a longitudinal fin with volumetric heat generation under the influences of natural convection and radiation

, Amin Behzadmehr,

ENERGY CONVERSION AND MANAGEMENT Volume: (51) 1938 - 1946

75. Exergetic Performance Evaluation of a Solar Photovoltaic (PV) Array

, Said Farahat, , Amin Behzadmehr

Australian Journal of Basic and Applied Sciences (MSRT BLACKLIST) Volume: (4) 502 - 519

76. Optimum design of a longitudinal fin array with convection and radiation heat transfer using a genetic algorithm

, Amin Behzadmehr,

INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: (49) 2222 - 2229

77. Turbulent mixed convection of a nanofluid in a horizontal curved tube using a two-phase approach

, Amin Behzadmehr,

INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER Volume: (37) 1551 - 1558

2009

78. Numerical study of developing laminar forced convection of a nanofluid in an annulus

m Izadi, Amin Behzadmehr,

INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: (48) 11 - 48

79. Numerical study of flow parameters and entropy generation on a centrifugal fan

Amin Behzadmehr, y mercadier

International Journal of Exergy Volume: (6) 80 - 92

80. A new model for calculating the effective

, , Amin Behzadmehr

JOURNAL OF APPLIED PHYSICS Volume: (42) 1 - 6

81. Inverse Radiation Problem of Temperature Distribution in One-Dimensional Isotropically Scattering Participating Slab with Variable Refractive Index

, , Amin Behzadmehr,

JOURNAL OF QUANTITATIVE SPECTROSCOPY and RADIATIVE TRANSFER Volume: (110) 491 - 505

82. effect of vertical temperature gradient on heavy gas dispersion in build up area

, Farhad Shahraki, , Amin Behzadmehr

Iranian Journal of Chemical Engineering Volume: (6) 26 - 45

83. Exergetic optimization of a solar photovoltaic array

, , Said Farahat, Amin Behzadmehr

JOURNAL OF CHEMICAL THERMODYNAMICS Volume: (2009) -

84. Thermodynamic optimization of multi-effect desalination plant using the DoE method

Amin Behzadmehr, ,

DESALINATION Volume: (257) 195 - 205

2008

85. Numerical study of laminar mixed convection of a nanofluid in horizontal curved tubes

, Amin Behzadmehr

APPLIED THERMAL ENGINEERING Volume: () 717 - 727

86. Fully developed mixed convection in horizontal and inclined tubes with uniform heat flux using nanofluid

, Amin Behzadmehr, Farhad Shahraki

INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW Volume: () 557 - 566

87. Effect of nanoparticles mean diameter on mixed convection heat transfer of a nanofluid in a horizontal tube

, Amin Behzadmehr

INTERNATIONAL JOURNAL OF HEAT AND FLUID FLOW Volume: () 557 - 566

88. Experimental study of onset of laminar turbulent transition in mixed convection in a vertical heated tube

Amin Behzadmehr, A. Laneville A. Laneville, N. Galanis N. Galanis

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: (51) 5895 - 5905

2007

89. Developing mixed convection of a nanofluid in a horizontal tube with uniform heat flux

, Amin Behzadmehr

INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT and FLUID FLOW Volume: (17) -

2006

90. Effects of Inlet Turbulent Intensity on Mixed Convection in Vertical Tubes With Uniform Heat Flux

Amin Behzadmehr

INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: (45) 433 - 442

91. Predicated effects of inlet turbulent intensity on mixed convection in vertical tubes with uniform wall heat flux

Amin Behzadmehr, N Galanis, CT Nguyen

INTERNATIONAL JOURNAL OF THERMAL SCIENCES Volume: () -

92. Aero-Acoustical Effects of Some Parameters of a Backward-Curved Centrifugal Fan Using Doe

Amin Behzadmehr, J B Piaud, R Oddo, Y Mercadier

HVAC and R RESEARCH Volume: () -

93. Sensitivity Analysis of Entrance Design Parameters of a Backward-Inclined Centrifugal Fan Using DOE Method and CFD Calculations

Amin Behzadmehr

JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME Volume: () -

2003

94. Low reynolds number mixed convection in vertical tubes with uniform

Amin Behzadmehr

INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER Volume: () -

Conferences Papers

2017

1. Effect of The Source Component Fraction on Quality of The Synthesized PVDF Nanofibers using Electrospinning Method

4th International Conference on Nanotechnology Nanomaterials

2. Modeling the performance of bi-textured micropillar array as a wicked evaporator

ASME 2016 Heat Transfer Summer Conference

hasan azarkish, Amin Behzadmehr, Luc G. Frechette.

3. Study of Operating Pressure to Control the CNTs Growth Behavior

5th International Congress on Nanoscience

2010

4. STEADY FLOW AND HEAT TRANSFER AROUND AN INCLINED SQUARE CYLINDER CONFINED IN A TWO-DIMENSIONAL CHANNEL

13th Annual 2nd International Fluid Dynamics conference

, Alireza Hossein Nezhad Devin, Amin Behzadmehr

5. CFD Analysis of Deposition Rate of SiC in a Hot-Wall Tubular CVD Reactor

6. The effects of vertically temperature gradient on heavy gas dispersion in build up area

, Farhad Shahraki, , Amin Behzadmehr

7. Effects of Nanoparticles Diameter on Laminar Mixed Convection Heat

2nd international congress on nanoscience and nanotechnology 2008 tabriz

, Amin Behzadmehr

8. Laminar Mixed Convection of a Nanofluid in an Inclined Tube using Two-Phase Mixture Model

2nd international congress on nanoscience and nanotechnology 2008 tabriz

, Amin Behzadmehr

9. Numerical simulation of unsteady mixed convection in a driven cavity using

2nd international congress on nanoscience and nanotechnology 2008 tabriz

, Alireza Hossein Nezhad Devin, Amin Behzadmehr, ,

10. Simulating Laminar Nanofluid Flow in a Curved Tube Using the Two Phase Approach

11. Mixed Convection in Vertical Ducts

6th IASME/WSEAS International Conference on FLUID MECHANICS and AERODYNAMICS (FMA 08)

NICOLAS GALANIS , Amin Behzadmehr

12. Numerical Study of Laminar Mixed Convection of a Nanofluid in a Horizontal Tube using Two Phase Mixture Model with Variables Physical Properties

6th IASME/WSEAS International Conference on FLUID MECHANICS and AERODYNAMICS (FMA 08)

, , Amin Behzadmehr,

13. Heavy gas dispersion modeling over a complex train with computational fluid dynamic

15 international conference of fluid dynamics 2008

, Farhad Shahraki, , Amin Behzadmehr

14. Numerical simulation of unsteady mixed convection in a driven cavity using an externally excited sliding side wall utilizing nanofluids

2 ht international congress on nanoscience and nanotechnology

16. Developing Laminar Mixed Vonvection of a Nanofluid Flow in Curvwd Pipes

First International Congress on Nanoscience and Nanotechnology

, Amin Behzadmehr

2004

17. Comparative Analysis of Mixed Convection in Vertical Tubes Using Laminar and Turbulent Formulation

CSME2004

Amin Behzadmehr

Executive activities

مدیر مسئول مجله علمی پژوهشی

from 1392/07/01 - now

Research Project

2003

1997

1. The heating system of residential buildings by using the solar energy in Zahedan city

Amin Behzadmehr - 1997