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Personal Information

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Education Information

Doctorate, Princeton University, Mechanical And Aerospace Engineering Department, United States Of America 1978 - 1982

Undergraduate, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, Turkey 1970 - 1976

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Numerical Solution of Incompressible Planar Turbulent Separated Flows, Princeton University, Mechanical And Aerospace Engineering Department, 1982

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 1998 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 1991 - 1998

Associate Professor, Massachusetts Institute of Technology, Mühendislik Fakültesi, Materials Science And Engineering, 1996 - 1997

Associate Professor, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, 1990 - 1991

Assistant Professor, Middle East Technical University, Faculty of Engineering, Makine Mühendisliği Bölümü, 1990 - 1990

Research Assistant, Imperial College of Science, Technology and Medicine, Mühendislik Fakültesi, Aeronautics, 1983 - 1986

Research Assistant, Princeton University, Mühendislik Fakültesi, Mechanical And Aerospace Engineering, 1976 - 1981

Academic and Administrative Experience

Middle East Technical University, Faculty of Engineering, Department of Aerospace Engineering, 1995 - 1996

Advising Theses

ÇELENLİGİL M. C., Numerical simulation of two-dimensional collisionless plasma flows under the effect of electrostatic forces via particle in cell method, Postgraduate, Ö.TÜMÜKLÜ(Student), 2013
ÇELENLİGİL M. C., Effects of extrapolation boundary conditions on subsonic mems flows over a flat plate, Postgraduate, Ö.Hulusi(Student), 2006
ÇELENLİGİL M. C., Perfect gas navier-stokes solutions hypersonic boundary layer and compression corner flows, Doctorate, Ş.Aziz(Student), 2005

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Monte Carlo-based Poisson's equation solver parallelized with Coarray Fortran**
ŞENGİL N., Tumuklu O., ÇELENLİGİL M. C.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.5, pp.4545-4553, 2016 (SCI-Expanded)
- II. **Implementation of a Monte Carlo method to a two-dimensional particle-in-cell solver using algebraic meshes**
ŞENGİL N., Tumuklu O., Celenligil M. C.
NUKLEONIKA, vol.57, no.2, pp.313-316, 2012 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Heat Transfer Simulation of Rarefied Laminar Flow past a Circular Cylinder**
ÇELENLİGİL M. C.
30th International Symposium on Rarefied Gas Dynamics (RGD), Victoria, Canada, 10 - 15 July 2016, vol.1786
- II. **Numerical Simulation of Rarefied Laminar Flow past a Circular Cylinder**
Celenligil M. C.
29th International Symposium on Rarefied Gas Dynamics (RGD), Xian, China, 13 - 18 July 2014, vol.1628, pp.220-227
- III. **On the Outflow Boundary Conditions for Subsonic Rarefied External Flows**
Celenligil M. C.
28th International Symposium on Rarefied Gas Dynamics (RGD), Zaragoza, Spain, 9 - 13 July 2012, vol.1501, pp.549-556
- IV. **Rarefaction Effects on the Outflow Boundary Conditions for External Subsonic Flows**
Celenligil M. C.
26th International Symposium on Rarefied Gas Dynamics (RGD26), Kyoto, Japan, 20 June - 25 July 2008, vol.1084, pp.317-322
- V. **DSMC Simulations of low-density choked flows in parallel-plate channels**
Ilgaz M., Celenligil M.
23rd International Symposium on Rarefied Gas Dynamics, WHISTLER, Canada, 20 - 25 July 2002, vol.663, pp.831-838
- VI. **RAREFIED FLOW SIMULATIONS ABOUT A BLUNT-ENDED CYLINDER AT INCIDENCE**
CELENLIGIL M.
18th International Symposium on Rarefied Gas Dynamics, Vancouver, Canada, 26 - 30 July 1992, vol.160, pp.323-330

Metrics

Publication: 8

Citation (WoS): 23

Citation (Scopus): 1

H-Index (WoS): 2

H-Index (Scopus): 1