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Research Areas

Mechanical Engineering, Fluid Mechanics, Continuous Mechanics

Courses

Dynamics 1, Under Graduate, 2018 - 2019, 2019 - 2020
Dynamics 2, Under Graduate, 2019 - 2020
Mukavemet 1, Under Graduate, 2019 - 2020
Under Graduate, 2018 - 2019
Statik, Under Graduate, 2013 - 2014
Mühendislik Mekaniği, Under Graduate, 2012 - 2013
Dinamik, Under Graduate, 2012 - 2013
Dinamik, Under Graduate, 2010 - 2011, 2011 - 2012
Mukavemet 1, Under Graduate, 2009 - 2010

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Effect of magnetic field on the time-dependent flow due to a disk with non-torsional oscillation and a Newtonian fluid at infinity rotating about distinct axes**
  Ersoy H. V.
  SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.44, 2019 (Journal Indexed in SCI)

- **Periodic flow of a second-grade fluid induced by non-torsional oscillations of eccentric rotating disks**
  ERSOY H. V.
  SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.43, 2018 (Journal Indexed in SCI)

- **Unsteady flow due to a disk executing non-torsional oscillation and a Newtonian fluid at infinity rotating about non-coaxial axes**
  ERSOY H. V.

- **Periodic flow due to non-torsional oscillations of eccentric rotating porous disks in the presence of a magnetic field**
  ERSOY H. V.
  MECHANIKA, vol.23, pp.397-401, 2017 (Journal Indexed in SCI)

- **Periodic flow due to oscillations of eccentric rotating porous disks**
  Ersoy H. V.
  ADVANCES IN MECHANICAL ENGINEERING, vol.7, 2015 (Journal Indexed in SCI)
Flow of a Maxwell Fluid between Two Porous Disks Rotating about Noncoincident Axes
Ersoy H. V.
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Unsteady Flow Produced by Oscillations of Eccentric Rotating Disks
Ersoy H. V.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2012 (Journal Indexed in SCI)

MHD Flow of a Second Order/Grade Fluid Due to Non-Coaxial Rotation of a Porous Disk and the Fluid at Infinity
Ersoy H. V.

An approximate solution for flow between two disks rotating about distinct axes at different speeds
Ersoy H. V.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2007 (Journal Indexed in SCI)

Unsteady flow due to concentric rotation of eccentric rotating disks
Ersoy H. V.

Unsteady flow due to a sudden pull of eccentric rotating disks
Volkan Ersoy H. V.

MHD flow of an Oldroyd-B fluid due to non-coaxial rotations of a porous disk and the fluid at infinity
Volkan Ersoy H. V.

MHD Flow of an Oldroyd-B fluid between eccentric rotating disks
Ersoy H. V.

Articles Published in Other Journals

Flow of a second-grade fluid between eccentric rotating porous disks in the presence of a magnetic field
Ersoy H. V.
OPEN JOURNAL OF APPLIED SCIENCES, vol.8, no.5, pp.159-169, 2018 (Refereed Journals of Other Institutions)

Flow of a Maxwell fluid in a porous orthogonal rheometer under the effect of a magnetic field
Ersoy H. V.
AMERICAN JOURNAL OF MECHANICAL ENGINEERING, vol.3, no.1, pp.16-20, 2015 (Refereed Journals of Other Institutions)

Unsteady flow produced by oscillations of two rotating coaxial disks
Ersoy H. V.
INTERNATIONAL REVIEW OF MECHANICAL ENGINEERING, vol.7, no.6, pp.1062-1068, 2013 (Refereed Journals of Other Institutions)

Examination of a special function defined by an integral
Ersoy H. V.
AMERICAN JOURNAL OF COMPUTATIONAL MATHEMATICS, vol.2, no.1, pp.61-64, 2012 (Refereed Journals of Other Institutions)

Locus of stagnation points for flow of a second grade/order fluid between eccentric rotating disks in the presence of a magnetic field
Ersoy H. V.

Flow of a second order/grade fluid induced by a pull of disks in an orthogonal rheometer under the effect of a magnetic field
Ersoy H. V.
INTERNATIONAL REVIEW OF MECHANICAL ENGINEERING, vol.6, no.5, pp.966-971, 2012 (Refereed Journals of Other Institutions)
- Unsteady flow of a Newtonian fluid induced by eccentric-concentric rotation of a porous disk and the fluid at infinity
  Ersoy H. V.

- Flow of a second order/grade fluid induced by a pull of disks in an orthogonal rheometer
  Ersoy H. V.

- On the locus of stagnation points for a Maxwell fluid in an orthogonal rheometer
  Ersoy H. V.
  INTERNATIONAL REVIEW OF MECHANICAL ENGINEERING, vol.3, no.5, pp.660-664, 2009 (Refereed Journals of Other Institutions)

- Unsteady flow of a Maxwell fluid induced by non-coaxial rotation of a disk and the fluid at infinity
  Ersoy H. V.

- Unsteady viscous flow induced by eccentric-concentric rotation of a disk and the fluid at infinity
  Ersoy H. V.
  Turkish Journal of Engineering and Environmental Sciences, vol.27, pp.115-123, 2003 (Other Refereed National Journals)

- Flow of a second order/grade fluid due to non-coaxial rotation of a porous disk and the fluid at infinity
  Ersoy H. V., Barış S.

- Aynı açısal hızda eksantrik dönen diskler arasındaki viskoz akışkanın hareketinde durma noktalarının geometrik yeri
  Ersoy H. V.
  Y.TÜ. DERGİSİ, pp.11-18, 2002 (National Refereed University Journal)

- Bir disk ile sonsuzdaki akışkanın çakşmayan eksenler etrafında birbirine yakın açısal hızlarla dönümler sonucunda oluşan akım
  Ersoy H. V., Barış S.

- Flow of the second-order Rivlin-Ericksen fluid between two intersecting planes
  Öztürk Y., Barış S., Dokuz M. S., Ersoy H. V.
  Turkish Journal of Engineering and Environmental Sciences, vol.20, pp.255-261, 1996 (Other Refereed National Journals)