

ფიზიკა-მათემატიკის მეცნიერებათა კანდიდატი
ასისტენტ პროფესორი ცუცქირიძე ვარდენ ნიკოს ძე

I. Scientific Works

1. V. TSUTSKIRIDZE, *Pulsation flow of a viscous incompressible weakly conducting liquid between two parallel walls with heat transfer*. Proceedings of Tbilisi University. Mathematics. Mechanics. Astronomy. 1993, 314(29), 92-115, (in Georgian).
2. V. TSUTSKIRIDZE, *Pulsation flow of a viscous incompressible conducting liquid between two parallel walls with heat transfer*. Proceedings of Tbilisi University. Mathematics. Mechanics. Astronomy. 1993, 314(29), 116-125, (in Georgian).
3. V. TSUTSKIRIDZE, *Pulsation flow of a viscous incompressible conducting liquid between porous walls with heat transfer*. Proceedings of Tbilisi University. Mathematics. Mechanics. Astronomy. 1997, 324(31), 127-147, (in Georgian).
4. V. TSUTSKIRIDZE, *Pulsation flow of a viscous incompressible weakly conducting liquid between porous walls with heat transfer*. Proceedings of Tbilisi University. Mathematics. Mechanics. Astronomy. 1997, 324(31), 107-126, (in Georgian).
5. V. TSUTSKIRIDZE, *Pulsation flow of weakly conducting liquid in a circular tube with heat transfer*. Transactions of international symposium on “**the problems of continuum mechanics**”. Proceedings of Georgian Technical University. Tbilisi, 1997, pp. 224-227, (Russ).
6. V. TSUTSKIRIDZE, *Pulsation flow of incompressible electrically conducting viscous liquid between two parallel walls in consideration of inhomogeneous magnetic field with heat transfer*. International Symposium “**the problems of continuum Mechanics**”. Proceedings of Georgian Technical University. 1997, 227-231, (in Georgian).
7. V. TSUTSKIRIDZE, *Pulsation flow of a viscous liquid in a semiinfinite circular tube*. //Problems of applied Mechanics // International scientific journal. Tbilisi, 2001, №2(3), 63-66, (Russ).
8. V. TSUTSKIRIDZE, *Pulsation flow of viscous liquid in a circular cylindrical tube with alternating cross-section*. Transactions of the international symposium on “**the problems of thin walled space structures**”. Proceedings of Georgian Technical University, 2001, 8-11, (Russ).
9. V. TSUTSKIRIDZE, *Pulsation flow of a viscous incompressible fluid in the rigid horizontal tube with taking into account a frictional force*. //Problems of applied Mechanics // International scientific journal. Tbilisi, 2004, №2(15), 89-94, (Russ).

10. V. TSUTSKIRIDZE, *Unsteady heat transfer in around pipe with small pecllet number.* //Problems of Mechanics// International scientific journal. Tbilisi, 2005, №3(20), 71-73, (Russ).
11. V. TSUTSKIRIDZE, *Exact-solution of the problem of nonstationary convective heat transfer in a flat channel.* //Problems of Mechanics// International scientific journal. Tbilisi, 2005, №4(21) , 88-91, (Russ).
12. V. TSUTSKIRIDZE, *Unsteady heat exchange during laminar liquid flow in a round pipe considering friction heat.* //Problems of Mechanics// International scientific journal. Tbilisi, 2005, №4(21) , 106-109, (Russ).
13. V. TSUTSKIRIDZE, *Non-steady flow of conducting liquid with consideration for the heterogeneous outer magnetic field.* //Georgian engineering news// International scientific journal. Tbilisi , 2006, №2 , 29-32, (Russ).
14. V. TSUTSKIRIDZE, *Non-steady flow of a conducting liquid with heat transfer.* //Problems of Mechanics// International scientific journal. Tbilisi, 2006, №1(22) , 119-125, (Russ).
15. V. TSUTSKIRIDZE, *Flow between two coaxial tubes near the entry.* //Georgian engineering news// International scientific journal. Tbilisi, 2006, №2, 24-28, (Engl.).
16. V. TSUTSKIRIDZE, *Magnetohydrodynamic channel flow under time-dependent pressure gradient.* //Problems of Mechanics// International scientific journal. Tbilisi, 2006, №2(23), 27-32, (Engl.).
17. V. TSUTSKIRIDZE, *MHD-Flow of the conducting liquid in ducts with the account for finite conductivity of walls.* //Georgian engineering news// International scientific journal. Tbilisi, 2007, №2, 46-52, (Russ).
18. V. TSUTSKIRIDZE, *Unsteady flow the viscous fluid contained between two concentric spheres of $r=a$ and $r=b(a < b)$.* //Georgian engineering news// International scientific journal. Tbilisi, 2007, №2, 53-57, (Engl.).
19. V. TSUTSKIRIDZE, *The flow conducting fluids in infinitely long circular pipes at presence of the radial magnetic field.* KGU, International conference “**Non-classic problems of mechanics**”, Materials (volume II). Kutaisi, 2007, 53-58, (Russ).
20. V. TSUTSKIRIDZE, *Nonstationary flow of viscous incompressible conducting fluid in the presence of transverse magnetic field under pressure gradient arbitrarily changing in time.* GTU, International conference “**The problems of continuum mechanics**”. Transactions. Tbilisi, 2007, 192-196, (Russ).

21. V. TSUTSKIRIDZE, *Heat transfer with the flow of conducting fluids in circular pipes with finite conductivity under uniform transverse magnetic fields.* **AMIM**(Applied Mathematics Informatics Mechanics) Tbilisi, VOL. 12, No.2, 2007, 111-114, (Engl.)
22. V. TSUTSKIRIDZE, L. JIKIDZE, *Heat transfer with the flow of conducting fluids in circular pipes with finite conductivity under uniform transverse magnetic fields.* //Problems of Mechanics// International scientific journal . Tbilisi, 2008, №2(31), 50- 53, (Engl.)
23. V. TSUTSKIRIDZE, L. JIKIDZE, *The flow of conducting fluids in circular pipes with magnetoconducting walls in uniform transverse magnetic fields.* //Georgian engineering news// International scientific journal. Tbilisi , 2008, №2, 25-30, (Russ).
24. V. TSUTSKIRIDZE, *Heat exchange in the magnetic field.* //Problems of Mechanics// International scientific journal . Tbilisi, 2008, №2(31), 64-67, (Engl.).
25. V. TSUTSKIRIDZE, *Heat exchange at nonisothermal flow of incompressible viscous fluid the plane-parallel channel with porous walls.* //Georgian engineering news// International scientific journal. Tbilisi , 2008, №3 , 93-95, (Russ).
26. L. JIKIDZE, V. TSUTSKIRIDZE, *Approximate method of the unsteady simultaneous rotation problem of the porous plate and fluid with account of magnetic field and heat transfer.* Transactions of GTU (Georgian Technical University). Tbilisi, 2008 , №2(468), 60-64, (Russ).
27. V. TSUTSKIRIDZE, *Heat exchange at laminar motion of incompressible liquid with variable physical properties in the pipe with porous walls.* //Problems of Mechanics// International scientific journal . Tbilisi, 2008, №3(32), 61-64, (Engl.).
28. V. TSUTSKIRIDZE, *Turbulent liquid flow in a circular tube with uniform injection through porous walls.* //Georgian engineering news// International scientific journal. Tbilisi, 2008, №4, 77-79, (Russ).
29. L. JIKIDZE, V. TSUTSKIRIDZE, *The steady rotation problem of the infinite porous plate with the falling stream of the conductive fluid and strong magnetic field.* Transactions of GTU (Georgian Technical University). Tbilisi, 2008 , №3(469), 36-39, (Russ).
30. L. JIKIDZE, V. TSUTSKIRIDZE, *The steady MHD-flow of a conductive fluid in the neighbourhood of a infinite porous plate at simultaneous rotation of a plate and fluid with strong magnetic field.* Transactions of GTU (Georgian Technical University). Tbilisi, 2008 , №3(469), 40-43, (Russ).

31. V. TSUTSKIRIDZE, L. JIKIDZE, *On the unsteady motion of a viscous hydromagnetic fluid contained between rotating coaxial cylinders of finite length*. REPORTS of enlarged sessions of I. Vekua institute of applied mathematics. Tbilisi, VOL. 22, 2008, 114-119, (Engl.).
32. L. JIKIDZE, V. TSUTSKIRIDZE, *The steady MHD-flow of a conductive fluid in the neighbourhood of a infinite porous plate at simultaneous rotation of a plate and fluid with strong magnetic field. (continues, Transactions of GTU . Tbilisi, 2008, №3(469), pp.40-43, (Russ))*. REPORTS of enlarged sessions of I. Vekua institute of applied mathematics. Tbilisi, VOL. 22, 2008, 56-60, (Engl.).
33. L. JIKIDZE, V. TSUTSKIRIDZE, *Heat transfer of the steady magnetohydrodynamic flow of a conducting fluid in the neighborhood of an infinite porous plate with regard for a strong magnetic field*. PROCEEDINGS of A. Razmadze Mathematical Institute Vol. 148, 2008, 23-28, (Engl.).
34. V. TSUTSKIRIDZE, L. JIKIDZE, *Influence of electric and magnetic field on heat transfer under laminar flow of liquid in a flat channel*. PROCEEDINGS of I. Vekua institute of applied mathematics. Tbilisi, VOL. 58, 2008, 5...-..., (Engl.).
35. V. TSUTSKIRIDZE, L. JIKIDZE, *On the unsteady motion of a viscous hydromagnetic fluid contained between rotating coaxial cylinders of finite length.(continues, Reports of enlarged sessions of I. Vekua institute of applied mathematics. Tbilisi, VOL. 22, 2008, 114-119)*. //Problems of Mechanics// International scientific journal . Tbilisi, 2009, №1(34), 25-39, (Engl.).
36. V. TSUTSKIRIDZE, L. JIKIDZE, *Pulsation flow with heat transfer*. //Problems of Mechanics// International scientific journal . Tbilisi, 2009, №2(35), ...-..., (Engl.).

II. Participation in International Conferences

(** - Republican conference , * - International conference)

1. 1994**

Conference of Georgian Mathematicians.
Tbilisi, 1994, 1-4 June.

V. Tsutskiridze: Pulsation flow of conducting liquid in a flat tube with heat transfer.

2. 1997*

Transactions of international symposium on **“The Problems of Continuum Mechanics”**.

Georgian Technical University (GTU). Tbilisi, 1997, 16-19 June. Book of Abstracts, p. 108.

V. Tsutskiridze: Pulsation flow of conducting liquid in a circular tube.

3. 1997**

Conference of Georgian Mathematicians.
Tbilisi, 1997, 24-27 September.

V. Tsutskiridze: Pulsation flow of conducting liquid in a tube, in consideration of inhomogeneous magnetic field with heat transfer.

4. 2001**

Republican scientific-technical conference, **“Building Constructions”**.
Theses of reports. Georgian Technical University, Tbilisi, 2001, 19-20 April. Book of Abstracts, p. 16.

V. Tsutskiridze: Pulsation flow of incompressible electrically conducting viscous liquid in a cylindrical tube with heat transfer.

5. 2001*

Theses of reports, International symposium **“The Problems of Thin Walled Space Structures”**.
Georgian Technical University. Tbilisi, 2001, 4-5 July.

V. Tsutskiridze: Pulsation flow of viscous liquid in a circular cylindrical tube with alternating cross-section.

6. 2005**

Conference of Georgian Mathematicians.
Tbilisi, 2005, 14-16 November. Book of Abstracts, p. 157.

V. Tsutskiridze: Non-stationary flow of electricity conducting liquid considering magnetic field.

7. 2007*

ILIA VEKUA – 100 ISAAC Conference.
Tbilisi, 2007, 23-27 April.

V. Tsutskiridze: Heat transfer with the flow of conducting fluids in circular pipes with finite conductivity under uniform transverse magnetic fields.

8. 2007*

KGU, International conference **“Non-Classic Problems of Mechanics”**.
Kutaisi, 2007, 25-27 October.

V. Tsutskiridze: The flow of conducting fluids in infinitely long circular pipes at presence of the radial magnetic field.

9. 2007*

GTU, International conference “**The Problems of Continuum Mechanics**”.
Tbilisi, 2007, 26-27 October.

V. Tsutskiridze: Nonstationary flow of viscous incompressible conducting fluid in the presence of transverse magnetic field under pressure gradient arbitrarily changing in time.

10. 2008**

Enlarged Sessions of The Seminar of **I.VEKUA** Institute of Applied Mathematics(VIAM). Tbilisi, 2008, 22-25 April.

V. Tsutskiridze, L. Jikidze: On the unsteady motion of a viscous hydromagnetic fluid contained between rotating coaxial cylinders of finite length.

11. 2008*

TSU, International conference on “**Modern Problems in Applied Mathematics.**” Tbilisi, 2008, 7-9 October. Book of Abstracts, p. 70.

V. Tsutskiridze, L. Jikidze: Influence of electric and magnetic field on heat transfer under laminar flow of liquid in a flat channel.

12. 2008**

Enlarged Sessions of The Seminar of **I.VEKUA** Institute of Applied Mathematics(VIAM). Tbilisi, 2008, 22-25 April.

L. Jikidze, V. Tsutskiridze: The steady MHD- flow conductive fluid in the neighbourhood of an infinite porous plate at simultaneous rotation of a plate and fluid with strong magnetic field.

13. 2009**

Enlarged Sessions of The Seminar of **I.VEKUA** Institute of Applied Mathematics(VIAM). Tbilisi, 2009, 22-24 April.

V. Tsutskiridze, L. Jikidze: Pulsation flow with heat transfer.

II. Text books

G. KIPIANI, M. VAZAGASHVILI, V. TSUTSKIRIDZE, *A book of mathematical tasks, The scientific methodical centre of Georgian education, Tbilisi-1999.*