

Curriculum Vitae

Name	Giorgi
Surname	Chagelishvili
Date and place of birth	3 December 1952, Kutaiisi
Address:	
Work	2 ^a Qazbegi Ave, Tbilisi 0160
Higher education:	
1974	I.Javakhishvili Tbilisi State University
Scientific degree and title:	
1979	Candidate of Physico-Mathematical Sciences
1990	Doctor of Physico-Mathematical Sciences
2001	Corresponding Member of the Georgian National Academy of Sciences
Positions held:	
1974-1977	Postgraduate of the Institute of Physics
1978-1986	Junior research worker, Abastumani Astrophys. Observatory
1986-1991	Senior research worker, Abastumani Astrophys. Observatory
1991-1997	Leading research worker, Abastumani Astrophys. Observatory
1997-2007	Chief research worker, Abastumani Astrophys. Observatory
2007	Researcher E.Kharadze National Astrophysical Observatory attached to the I.Chavchavadze State University
2008	Chief research worker, M.Nodia Institute of Geophysics
Sphere of scientific interests:	astrophysics, geophysics, plasma physics, hydro dynamics
Number of published works	90
List of principal scientific works:	<ol style="list-style-type: none">1. Chagelishvili G.D.: <i>New Linear Mechanisms of Acoustic Wave Generation in Smooth Shear Flows (Nonmodal Study)</i>, in: "Sound-Flow Interactions" (Lecture Notes in Physics, Springer), Eds. Y.Auregan, A. Maurel, V. Pagneux, J.-F. Pinton, 2002, p.2102. Chagelishvili, G.D., Zahn J.-P., Tevzadze, A.G. and Lominadze, J.G.: <i>On Hydrodynamic Shear Turbulence in Keplerian Disks: From Transient Growth to Bypass Transition</i>, Astron. & Astrophysics, 2003, 402, 4013. Tevzadze, A.G., Chagelishvili, G.D., Zahn J.-P., Chanishvili, R.G. and Lominadze, J.G.: <i>On Hydrodynamic Shear Turbulence in Keplerian Disks: Transient Growth of 3D Small Scale Perturbations</i>, Astron. & Astrophysics, 2003, 408, 7794. Bodo G., Chagelishvili G.D., Murante G., Tevzadze A., Rossi P. and Ferrari A.: <i>Spiral density wave generation by vortices in Keplerian flows</i>, Astron. & Astrophysics, 2005, 437, 95. Kim J., Perez J., Horton W., Chagelishvili G.D., Chanishvili R.G., Lominadze J.G. and Bowman J.: <i>Self-sustaining vortex perturbations in smooth shear flows</i>, Physics of Plasmas, 2006, 13, 0629046. Khujadze G.R., Oberlack M. and Chagelishvili G.D.: <i>Direct Numerical Simulation of Stochastically Forced Laminar Plane Couette Flow: Peculiarities of Hydrodynamic Fluctuations</i>, Phys. Rev. Lett., 2006, 97, 0345017. Bodo G., Tevzadze A., Chagelishvili G.D., Mignone A., Rossi P. and Ferrari A.: <i>Stability and nonlinear adjustment of vortices in Keplerian flows</i>, Astron. & Astrophysics, 2007, 475, 518. Mamatsashvili, G.R., Chagelishvili, G.D.: <i>Transient growth and coupling of vortex and wave modes in self-gravitating gaseous discs</i>, Monthly Notices of the

Royal Astronomical Society, 2007, **381**, 809

9. Tevzadze, A.G., Chagelishvili, G.D. and Zahn J.-P.: *Hydrodynamic stability and mode coupling in Keplerian flows: local strato-rotational analysis*, *Astron. & Astrophysics*, 2008, **478**, 9
10. Horton, W., Correa C., Chagelishvili, G.D., Avsarkisov, V.S., Lominadze, J.G., Perez, J.S., Kim J.-H. and Carter T.: *On generation of Alfvénic-like uctuations by drift wave - zonal ow system in LAPD experiments*, *Physics of Plasmas*, 2009, **19**, 092102

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