

შ. ზაზაშვილი
სამეცნიერო შრომების სია

1. Sh. Zazashvili, *Some boundary value problems of the plane theory of thermoelasticity*, Annot. Dokl. In-ta Prikl. Mat. Tbilisi Univer., № 5, 1971, 13-18 (Russian)
2. Sh. Zazashvili, *Explicit solutions to the third and the fourth boundary value problems of the steady state oscillation equations of thermoelasticity for anisotropic bodies for some domains*, Nekot. Zad. Teor. Upr., Sbornik Tr., Tbilisi, 1975, 77-91 (Russian)
3. Sh. Zazashvili, *The third and the fourth boundary value problems of the steady state oscillation of the plane theory of the non-symmetric theory of elasticity*. Soobshch. Akad. Nauk Gruz. SSR. 80, № 1, 1975, 61-64 (Russian)
4. Sh. Zazashvili, *Some mixed boundary value problems of the plane theory of the non-symmetric theory of elasticity*, Soobshch. Akad. Nauk Gruz. SSR. 83, № 1, 1976, 49-52 (Russian)
5. Sh. Zazashvili, *The third and the fourth boundary value problems of statics of the non-symmetric theory of elasticity*, Annot. Dokl. In-ta Prikl. Mat. Tbilis. Univ., № 1, 1976, 19-26 (Russian)
6. Sh. Zazashvili, *Some mixed plane boundary value problems of the theory of elasticity, with the non-symmetrical and thermal stresses*, Candidate Thesis. Tbilisi University, 1977, 1-15 (Russian)
7. Sh. Zazashvili, *Some mixed boundary value problems for one variant of the non-symmetric theory of elasticity*, Tr., Tbilisi Univer., ტ. 5-6, 1978, 176-185 (Russian)
8. M. Bacheleishvili, L. Giorgashvili, Sh. Zazashvili, *Explicit solutions some boundary-contact value problems of statics for the non-symmetric theory of elasticity for piecewise homogeneous isotropic bodies*. Tr., Tbilisi Univer., ტ. 204, 1978, 47-64 (Russian)
9. Sh. Zazashvili, *Derivation of calculation formulas to solve the new boundary-contact problems of elasticity theory in the case of multilayer infinite cylinder*, Paket Prikl., Progr., In-ta Prikl. Mat. Tbilis. Univer., 1978 (Russian)
10. Sh. Zazashvili, *Solution of the first boundary value problem of static of the plane non-symmetric theory of elasticity, for a concentric circular ring*, Nekot. Zad. Teor. Upr., Sbornik Tr., Tbilisi, 1981, 56-71 (Russian)
11. Sh. Zazashvili, *Explicit solution of the modified boundary-contact problem for a piecewise-homogeneous elastic bodies bounded by concentric circles*, Nekot. Zad. Teor. Upr., Sbornik Tr., Tbilisi, 1981, 63-89 (Russian)
12. L. Giorgashvili, Sh. Zazashvili, *Solution of the basic boundary-contact problems of statics of the theory of elasticity for domains bounded by concentric spheres*, Abstracts of the 23th Republican Scientific and Technical confer. Tbilisi, 1981, 63 (Russian)
13. Sh. Zazashvili, *A method of solving the basic boundary-contact problems of statics of the theory of elasticity for a multilayered sphere*. Republic. Conf. young scientists. and spec. Tbilisi, 1981. (Russian)
14. Sh. Zazashvili, L. Giorgashvili, *Solution of basic boundary value problems of statics of the theory of elasticity for the eccentric ball ring*. Abstracts. repub. School-Conf. of the general mechanics and the theory of elasticity, Telavi, 1981, 67 – 69 (Russian)
15. Sh. Zazashvili, L. Giorgashvili, *Solution of the boundary value problems of statics of the theory of elasticity for a spherical ring*. Soobshch. Akad. Nauk Gruz. SSR 105, № 1, 1982, 53-76 (Russian)

16. Sh. Zazashvili, *Stresses in a heavy elastic plane with a circular hole with inserted therein an elastic ring*. Nekot. Zad. Teor. Upr., Sbornik Tr., Tbilisi, 12, 1983, 51-62 (Russian)
17. Sh. Zazashvili, *Explicit solution of the boundary-contact problems of statics of the theory of elasticity for piecewise homogeneous ball*. 10th republics. scientific-method. Conf. Math. University of the Georgia, Abstracts, Telavi, 1983, 71 – 72 (Russian)
18. Sh. Zazashvili, *Explicit solution of the first boundary-contact problem of static elasticity theory for a piecewise-homogeneous sphere*. Nekot. Zad. Teor. Upr., Sbornik Tr., Tbilisi, 16, 1985, 111-134 (Russian)
19. M. Basheleyshvili, Sh. Zazashvili, *Mixed boundary value problem of the plane theory of statics of an anisotropic elastic body. Topical issues math. and methodology of teaching*. Interuniversity collection of scientific. proc. TSPI, Tbilisi, 1985, 23-37 (Russian)
20. Sh. Zazashvili, *Solution of a mixed problem of bending of anisotropic plates*. Reports of Enlarged Session of the Seminar of I.Vekua Inst. of Applied Mathematics, Tbilisi State University, Volume 2, № 2, Tbilisi, 1986, 64-67 (Russian)
21. Sh. Zazashvili, *General mixed boundary value problem of bending of elastic anisotropic plane*. *Modern Problems of Math. physics*. Tr. Union Symposium Tbilisi, 22-25 April 1987 Volume 2, 1987, 232-239 (Russian)
22. Sh. Zazashvili, *Mixed boundary value problem of bending of anisotropic plates*. Nekot. Zad. Teor. Upr., Sbornik Tr., Tbilisi, 22, 1988, 49-66 (Russian)
23. D. Natroshvili, A. Djagmaidze, L. Giorgashvili, Sh. Zazashvili, M. Usanetashvili, *Boundari value problems of dynamics and steady state osiliations of linear theory of elastik mixtures*, Conf. Dynamical Problems of mechanics, Krasnodar (Russian)1988, 105-106.
24. Sh. Zazashvili, *Mixed boundary value problem for an infinite anisotropic plate with elliptical hole*. Enlarged Session of the Seminar of I.Vekua Inst. of Applied Mathematics, Tbilisi State University, Volume 3, № 1, 1988, 68-71 (Russian)
25. Sh. Zazashvili, *Solution of mixed boundary problems of statics of an anisotropic elastic solid for half-plane*, 9 Ifgung uber probleme und methoden der mathematischen physik, 27 jun - 1 juli 1988 in Karl-Marx Stadt, Autoreferate der kurzvortzage, 1988, 36-37 (Russian)
26. Sh. Zazashvili, *Mixed boundary value problem for an infinite anisotropic plate with straight cut*. Enlarged Session of the Seminar of I.Vekua Inst. of Applied Mathematics, Tbilisi State University, Volume 4, № 2, 1989, 95-98 (Russian)
27. Sh. Zazashvili, *The boundary value problem of the plane theory of anisotropic elastic body*. Fourth Confer. by Differential Equations and Applications, Scient. program Rousse, Bulgaria, 1989, 9-10 (Russian)
28. Sh. Zazashvili, *The first boundary value problem for an infinite anisotropic plane with an elliptical hole and a cut*. Soobshch. Akad. Nauk Gruz. SSR 136, № 3, 1989, 561-564 (Russian)
29. Sh. Zazashvili, *The hard punch, pressed to the contours of the circular hole of an anisotropic plane*. Nekot. Zad. Teor. Upr., Sbornik Tr., Tbilisi, 39, 1990, 85-91 (Russian)
30. Sh. Zazashvili, *Contact problem for two anisotropic half-plane with cut along the contact line*, Soobshch. Akad. Nauk Gruz. SSR, 145, № 2, 1992, 282-285 (Russian)

31. Sh. Zazashvili, *Bending of a thin anisotropic plate with elliptical hole and a cut*. Soobshch. Akad. Nauk Gruz. SSR, 145, № 3, 1992, 503-507 (Russian)
32. M. Basheleyshvili, S. Zazashvili, *Explicit solution of the mixed boundary value problem for an infinite anisotropic plane with an elliptical hole*. Proceedings of I.Vekua Inst. of Applied Mathematics, Tbilisi State University, 46, 1992, 24-31 (Russian)
33. Sh. Zazashvili, *Contact problems for two anisotropic half-planes with slits*. Proceedings of the Georgian Academy of Sciences. Mathematics 1, №3, 1993, 365-382
34. Sh. Zazashvili, *Mixed boundary value problems for two-dimensional anisotropic bodies with cuts of arbitrary shape*. 10th conference on problems and methods in mathematical physics, Chemnitz, 1993, 13-17
35. M. Basheleishvili, Sh. Zazashvili, *A Generalised plane mixed boundary value problem for an anisotropic elastic body*, Reports of enlarged sessions of the seminar of I. Vekua Institut of Appl. Math. Tbilisi, 1993, v.8, № 2, 17-21.
36. Sh. Zazashvili, *Flat mixed boundary value problem of an anisotropic elastic body and the bending of a thin anisotropic plate*. Doctor thesis, Tbilisi State University, Tbilisi, 1995, 1-36 (Russian)
37. Sh. Zazashvili, *Non homogeneous anisotropic plane with a cut along of the contact line*, International Symposium Dedicated to the 90 Birthday Anniversary of Academician I. Vekua, Tbilisi, 1997
38. D. Natroshvili, Sh. Zazashvili, *The interface crack problem for anisotropic bodies*. Technische Universitat Chemnitz, Preprint, 98-4, 1998
39. D. Natroshvili, Sh. Zazashvili, *Interface crack problem for piecewise homogeneous anisotropic plane*. 5th International conference on integral Methods in Science and Engineering, Michigan Tech. Univ. Houghton MI USA, August 10-13, 1998, 252-257
40. D. Natroshvili, Sh. Zazashvili, *The basic mixed problem for anisotropic elastic body*. Georgian Mathematical Journal vol. 6, № 3, 1999, 233-250
41. D. Natroshvili, Sh. Zazashvili, *The interface crack problem for anisotropic bodies*. Proceedings of I. Vekua Institute of Applied Mathematics vol. 49, 1999, 54-75
42. M. Bashaleishvili, Sh. Zazashvili, *Basic and mixed boundary problems for elastic mixture with cuts*. International Workshop "Mathematical Theory of Cracks and their Propagation", A. Razmadze Mathematical Institute Academy of Sciences of Georgia, Tbilisi, October 8-14, 2000.
43. M. Basheleishvili, Sh. Zazashvili, *The basic mixed plane boundary value problem of static, in the Elastic Mixture Theory*. Georgian Mathematical Journal 7, 2000, 3, 427-440
44. D. Natroshvili, L. Giorgashvili, Sh. Zazashvili, *Steady state oscillation problems in the theory of elasticity for chiral materials*. Journal of Integral Equations and Applications, vol. 17, № 1, Spring 2005, 19-69
45. D. Natroshvili, Sh. Zazashvili, *Mixed type boundary value problems in the linear theory of elastic mixtures for bodies with cuts*. Memoirs on Differential Equations and Mathematical Physics, vol. 42, 2007, 69-91
46. D. Natroshvili, L. Giorgashvili, Sh. Zazashvili, *General representation of solutions to the system of differential equations of hemitropic elasticity and its applications*. The 6th INTERNATIONAL ISAAC

CONGRESS, 13-18 August, 2007, Middle East Technical University, Ankara, Turkey,. Book of Abstracts, METU, Ankara, 2007, pp. 90-91.

47. L.Giorgashvili, Sh. Zazashvili, *General representations of Solutions to the Oscillation equations of Thermoelastotropic Elasticity*. International Conference on Modern Problems in Applied Mathematics, Tbilisi, 7-9 October, 2008.
48. D.Natroshevili, L.Giorgashvili, Sh. Zazashvili, *Mathematical Problems of Thermoelasticity for Hemitropic Solids, Accepted for publication: Memoirs on Differential Equations and Mathematical Physics*. 48 (2009), pp. 97-174
49. D.Natroshevili, I.Stratis, Sh. Zazashvili, *Interface crack problems for metallic-piezoelectric composite structures, Accepted for publication: Mathematical Methods in the Applied Sciences*, 15 March 2010, Volume 33, Issue 4, 373–562
50. Natroshevili, I.Stratis, Sh. Zazashvili, *Boundary integral equation methods in the theory of elasticity of hemitropic materials: a brief review*. Journal of Computational and Applied Mathematics 234 (2010) 1622-1630