

CV

Eteri Gordadze

A. Razmadze Mathematical Institute, Scientific researcher
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Birth: November 4, 1934
Place of birth: Tbilisi
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Education

1943-1953 Tbilisi 23th secondary school (with gold medal)
1953-1958 Tbilisi State University, faculty of mechanics and mathematics
1958-1962 post-graduate student of Tbilisi State University

Scientific degrees and titles

1973 - Candidate's dissertation "Singular Integrals and Singular Integral Equations on Some Non-smooth Curve"
1978 Senior researcher

Working experience

1961-1975 Junior researcher of A. Razmadze Mathematical Institute
1975-2006 Senior researcher of the same institute
1969-1975 Referee of the journal "Zentralblatte fur Matematik"
From 2006 up to now Scientific researcher

In the 80th Official opponent of Magomedova's (Makhachkala, Dagestan) candidate's dissertation; referee of many dissertations.

Research Interest:

Singular Integral Equations and Related to Them Boundary Problems

Participation in Grant Projects

03/02/2010-30/12/2011 Elliptic systems on the Riemann plane (Head of the project - G. Giorgadze), under financial support of Shota Rustaveli National Academy

05/03/2006- 30/12/2008 Nonstandard functional spaces and functions, and their application to the theory of differential equations with partial derivatives (Head of the project V. Kokilashvili), under financial support of Georgian National Academy

2004-2005 The Fourier multidimensional analysis, the Banach functional spaces with exponent, and boundary problems (Head of the project V. Kokilashvili), under financial support of Georgian National Academy

05/01/2002-30/12/2003 Boundary value problem of linear conjugation for some open regular curves (Head of the project E. Gordadze), under financial support of Georgian National Academy

05/01/2000-30/12/2001 Boundary value problem of linear conjugation for some curves containing cusps (Head of the project E. Gordadze), under financial support of Georgian National Academy

02/02/1998-20/12/1999 Boundary value problem of linear conjugation of some non-smooth curve in the case of measurable coefficient (Head of the project E. Gordadze), under financial support of Georgian National Academy

04/01/1997-02/02/1998 Boundary value problem of linear conjugation in the case of piecewise-smooth curves and some measurable coefficients (Head of the project E. Gordadze), under financial support of Georgian National Academy

Participation at Symposia and Conferences

23-29/12/1971 International symposium in continuum mechanics and related problems in analysis

02/1971 Scientific session of A. Razmadze Mathematical Institute dedicated to the 100th Anniversary of Sovietization of Georgia

6-11/6/1991 International symposium in continuum mechanics and related problems dedicated to the 100th Birthday Anniversary of N. Muskhelishvili. Tbilisi

2000 Extended session of I. Vekua Institute of Applied Mathematics dedicated to I. Vekua. Tbilisi

2001 International symposium in "Differential Equations and Mathematical Physics" dedicated to the 110th Birthday Anniversary of N. Muskhelishvili

2001 Republic Mathematical conference dedicated to I. Vekua jubilee. Sukhumi branch of Tbilisi State University

2005 Extended session of I. Vekua Institute of Applied Mathematics

7-9/10/2008 International conference - Current problems in applied mathematics. Dedicated to I. Vekua's 90th birthday anniversary and the 40th anniversary of I. Vekua Institute of Applied Mathematics. Tbilisi

14-28/2008 Extended session of A. Razmadze Mathematical Institute

12-14/9/2011 International Conference in generalized functional analysis and their applications

List of Publication

1. On Operator Equations of the Firs Kins (Russian) *Tr. Gruz. Polytech. Inst.* **8** (1963), 23-31.
2. On singular integrals with a Cauchy kernel. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **37** (1965), 521-526.
3. Multidimensional singular integrals. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **48** (1967), 513-518.
4. The Riemann-Privalov problem in the case of a non-smooth boundary curve. (Russian) *Trudy Tbiliss. Mat. Inst. Razmadze* **33** (1967), 25-31.
5. A certain theorem of S. G. Mihlin. (Russian) *Trudy Tbiliss. Mat. Inst. Razmadze* **36** (1970), 107-110.
6. The singular integral operator with piecewise continuous coefficients. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **63** (1971), 277-280.
7. Singular integrals with Cauchy kernel. (Russian) Collection of articles on the theory of functions, 4. *Soobshch. Akad. Nauk Gruzin. SSR* **42** (1972), 5-17.
8. A certain singular integral operator (with B. V. Khvedelidze). (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **71** (1973), 33-36.
9. On singular integrals in case of non-smooth curve. (Russian). *Proceeding of Symposium on Continuum Mechanics and Related Problems of Analysis*, vol. 2, 1974, 74-85.
10. Singular integral operators, and the regularization problem. (Russian) Collection of articles on the theory of functions, Vol. 7. *Trudy Tbiliss. Mat. Inst. Razmadze* **53** (1976), 15-37.
11. A boundary value problem of linear conjugacy. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **81** (1976), no. 3, 545-548.
12. On singular integral operators (with B. V. Khvedelidze). *Function theoretic methods in differential equations*, pp. 132-157. *Res. Notes in Math.*, No. 8, Pitman, London, 1976.
13. The boundary value problem of linear conjugacy for Radon curves. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **84** (1976), no. 1, 29-32.
14. Multidimensional singular integrals. (Russian) Questions of the theory of functions and mathematical physics. *Trudy Tbiliss. Mat. Inst. Razmadze* **58** (1978), 81-95.
15. On singular integral equations on piecewise smooth curves. (Russian) *Trudy Tbiliss. Mat. Inst. Razmadze* **82** (1986), 37-44.
16. Weight functions and a boundary value problem of linear conjugation. (Russian) *Soobshch. Akad. Nauk Gruzin. SSR* **125** (1987), No. 2, 261-263.
17. A boundary value problem of linear conjugation in the case of a measurable coefficient. (Russian) *Soobshch. Akad. Nauk Gruzii* **145** (1992), No. 1, 21-24.
18. Factorization of some measurable functions for the piecewise smooth curve. *Bull. Georgian Acad. Sci.* **156** (1997), No. 3, 371-373.
19. On the boundary value problem of the linear conjugation for a piecewise smooth curve and for certain measurable coefficient. *Bull. Georgian Acad. Sci.* **158** (1998), No. 3, 363-366.
20. On the boundary value problem of linear conjugation in the case of non-smooth lines and some measurable coefficients. *Proc. A. Razmadze Math. Inst.* **123** (2000), 149-151.
21. On the boundary value problem of linear conjugation for Radon lines and some measurable coefficients. *Rep. Enlarged Sess. Semin. I. Vekua Appl. Math.* **15** (2000), No. 1-3, 3-5.
22. On one consequence of the theorem on weights. *Proc. Razmadze Math. Inst.* **126**(2001), 106-109.

23. On a problem of linear conjugation in the case of nonsmooth lines and some measurable coefficients. *Georgian Math. J.* **9** (2002), No. 3, 507-524.
24. On the boundary value problem of linear conjugation for unclosed arcs of the class **R**. *Proc. A. Razmadze Math. Inst.* **136** (2004), 137-140.
25. On the boundary value problem of linear conjugation on unclosed Carleson arcs. *Proc. A. Razmadze Math. Inst.* **143** (2007), 123-126.
26. One theorem on weights in the space $L^{\{p(\cdot)\}}$. *Proc. A. Razmadze Math. Inst.* **146** (2008), 39-43.
27. On the boundary value problem of linear conjugation with a piecewise continuous coefficient on Carleson curves. *Proceedings of the International Conference on Generalized Analytic Functions and Their Applications, Tbilisi, Georgia, 2011*, pp. 63-67.
28. On the boundary value problem of linear conjugation for unclosed Carleson arcs in the space $L_{\{p(\cdot)\}}$. *Rep. Enlarged Sess. Semin. I. Vekua Inst. Appl. Math.* **25** (2011), 64-67.
29. On a linear conjugation boundary value problem for piecewise-continuous coefficients. *Bull. Georgian Natl Acad. Sci* 11 (2017), no. 1, 16-22.