

FULL LIST OF PUBLICATIONS

Duduchava Roland

Number of publications: 103 (including 4 monographs and 44 publications in Journals with the impact-factor).

Index of citation: (Harzig's Publish or Perish, as for 20.04.2012):

854 citations under Duduchava,

35 citations under Duducava,

104 citations in 25 books,

993 citations in total,

h-index 16,

G-index 25

Index of citation: (Thomson-Reuter, as for 20.04.2012):

267 citations (181 without self-citing),

104 citations in 25 books,

361 citations in total,

h-index 10

MONOGRAPHS

M1 R.Duduchava:

Integral equations of convolution type with discontinuous presymbols, singular integral equations with fixed singularities and their applications to some problems of mechanics, *Trudi Tbiliskogo Matematicheskogo Instituta Akademii Nauk Gruzinskoi SSR* **60**, 1-135, 1979 (Russian).

M2 R.Duduchava:

Integral equations with fixed singularities, Teubner, Leipzig, 1979.

M3 R.Duduchava, B.Silbermann:

Boundary Value Problems in Domains with Peaks, *Memoirs on Differential Equations and Mathematical Physics* **21**, 2000, 1-121

M4 T. Buchukuri, O. Chkadua, R. Duduchava, D. Natroshvili:

Interface crack problems for metallic-piezoelectric, *Memoirs on Differential Equations and Mathematical Physics* **55**, 2012, 1-150.

MONOGRAPHS in preparation

MiP1 R.Duduchava:

Pseudodifferential operators and the boundary integral equation method (English).

MiP2 R.Duduchava:

Partial differential equations on hypersurfaces and shell theory (English).

MiP3 R.Duduchava, D.Natroshvili, E.Shargorodsky:
Pseudodifferential Equations on manifolds with Boundary. Theory and Applications.

COURSES of LECTURES

L1 R.Duduchava:

Pseudodifferential operators with applications to some problems of mathematical physics. Tbilisi University, Years 1990-2001.

L2 R.Duduchava:

Potential method and basic problems of elasticity theory. Tbilisi University, Years 1990-2001. University of Stuttgart, Fall semester 2001, University of Saarland Fall & Spring semesters, 2002-2003.

L3 R.Duduchava:

Elementare Differentialgeometrie. Universität Des Saarlandes, Saarbrücken, Years 2004-2007.

L4 R.Duduchava:

Geometric analysis, Universität Des Saarlandes, Saarbrücken, Years 2005-2006.

PAPERS

1. R.Duduchava:

On singular integral operators in Hölder spaces with weights, *Dokladi Akademii Nauk SSSR* **191**, 16-19, 1970 (Russian).

2. R.Duduchava:

On the boundedness of the singular integral operator in Hölder spaces with weights, *Matematicheskie Issledovania* **5**, 1, 56-76, Kishiniov, Stiinca, 1970 (Russian).

3. R.Duduchava:

Singular integral operators in Hölder spaces with weights I. Hölder coefficients, *Matematicheskie Issledovania* **5**, 2, 104-124, Kishiniov, Stiinca, 1970 (Russian).

4. R.Duduchava:

Singular integral operators in Hölder spaces with weights, II. Piecewise Hölder coefficients, *Matematicheskie Issledovania* **5**, 3, 57-82, Kishiniov, Stiinca, 1970 (Russian).

5. R.Duduchava:

On some boundary value problems for systems of discrete Wiener-Hopf equations, *Matematicheskie Issledovania* **7**, 2, 234-240, Kishiniov, Stiinca, 1972 (Russian).

6. R.Duduchava:

On discrete equations of Wiener-Hopf composed from Fourier coefficients of piecewise-Wiener functions, *Dokladi Akademii Nauk SSSR* **207**, 1273-1276, 1972 (Russian); also in: *Soviet Mathematics, Doklady* **13**, 1903-1907, 1972.

7. R.Duduchava:

On discrete Wiener-Hopf equations in ℓ^p spaces with weight, *Soobshenia Akademii Nauk Gruzinskoi SSR* **67**, 1, 17-20, 1972 (Russian).

8. R.Duduchava:
On algebras of singular integral operators in spaces of Hölder functions with weights, *Soobshenia Akademii Nauk Gruzinskoi SSR* **65**, 1, 25-28, 1972 (Russian).
9. R.Duduchava:
Wiener-Hopf integral operators with discontinuous symbols, *Dokladi Akademii Nauk SSSR* **211**, 1273-1276, 1973 (Russian); also in: *Soviet Mathematics, Doklady* **14**, 1001-1005, 1973.
10. R.Duduchava:
Algebra of one dimensional singular integral operators in spaces of Hölder functions with weight, *Trudi Tbiliskogo Matematicheskogo Instituta Akademii Nauk Gruzinskoi SSR* **41**, 19-52, 1973 (Russian).
11. R.Duduchava:
On Nöther theorems for singular integral equations; in: *Proceedings of Symposium on Mechanics and Related Problems of Analysis*, v.1, Metsniereba, Tbilisi, 19-52, 1973 (Russian).
12. R.Duduchava:
Singular integral operators on piecewise-smooth lines, *Soobshenia Akademii Nauk Gruzinskoi SSR* **71**, 3, 553-556, 1973 (Russian).
13. R.Duduchava:
On multidimensional convolution equations composed from Fourier coefficients of piecewise-smooth functions, *Soobshenia Akademii Nauk Gruzinskoi SSR* **74**, 3, 277-280, 1974 (Russian).
14. R.Duduchava:
Discrete convolution operators on symmetric spaces of sequences with weights, in: *Tresses of the Conference of Young Scientists and Postgraduates, Tbilisi State University, I. Vekua Institute of Applied Mathematics*, pp. 63-64., Tbilisi University Press, 1974.
15. R.Duduchava:
Singular integral equations with unbounded coefficients *Trudi Tbiliskogo Matematicheskogo Instituta Akademii Nauk Gruzinskoi SSR* **44**, 72-78, 1974 (Russian).
16. R.Duduchava:
On convolution integral operators with discontinuous coefficients, *Dokladi Akademii Nauk SSSR* **218**, 2, 264-267, 1974 (Russian); also in: *Soviet Mathematics, Doklady* **15**, 1302-1306, 1975.
17. R.Duduchava:
On bisingular integral operators and convolution operators on a quadrant, *Dokladi Akademii Nauk SSSR* **221**, 2, 279-282, 1975 (Russian); also in: *Soviet Mathematics, Doklady* **16**, 330-334, 1975.
18. R.Duduchava:
On Wiener-Hopf integral operators, *Mathematische Nachrichten* **65**, 1, 59-82, 1975 (Russian).

19. R.Duduchava:
On convolution integral operators with discontinuous symbols, *Trudi Tbiliskogo Matematicheskogo Instituta Akademii Nauk Gruzinskoi SSR* **50**, 34-41, 1975 (Russian).
20. R.Duduchava:
On discrete Wiener-Hopf equations, *Trudi Tbiliskogo Matematicheskogo Instituta Akademii Nauk Gruzinskoi SSR* **50**, 42-59, 1975 (Russian).
21. R.Duduchava:
Bisingular integral operators and boundary value problems of the theory of analytic functions in spaces of distributions, *Dokladi Akademii Nauk SSSR* **224**, 5, 996-999, 1975 (Russian); also in: *Soviet Mathematics, Doklady* **17**, 1324-1328, 1976.
22. R.Duduchava:
Convolution integral operators on a quadrant with discontinuous symbols, *Izvestia Akademii Nauk SSSR, Ser. Matem.* **40**, 2, 388-412, 1976 (Russian); also in: *Mathematics USSR, Izvestia* **10**, 371-392, 1976.
23. R.Duduchava:
On bisingular integral operators with discontinuous coefficients, *Matematicheskii Sbornik* **101**, 4, 584-609, 1976 (Russian); also in: *Mathematics USSR, Sbornik* **30**, 515-537, 1976.
24. R.Duduchava:
On singular integral operators on piecewise smooth lines; in: *Research Notes in Mathematics*, v.8, "Functional Theoretic Methods in Differential Equations", Pitman, London, pp. 109-131, 1976.
25. R.Duduchava, V.Maz'ya:
Uniqueness theorems for the integral equations of a rectangular thin airfoil, *Soobshenia Akademii Nauk Gruzinskoi SSR* **87**, 1, 53-56, 1977 (Russian).
26. R.Duduchava:
On convolution integral operators with discontinuous coefficients, *Mathematische Nachrichten* **79**, 75-98, 1977 (Russian).
27. R.Duduchava:
Discrete convolution operators on the quarter plane and their indices, *Izvestia Akademii Nauk SSSR, Ser. Matem.* **41**, 5, 1125-1137, 1977 (Russian); also in: *Mathematics USSR, Izvestia* **11**, 1072-1084, 1977.
28. R.Duduchava:
Singular integral equations with fixed singularities in kernel on piecewise-smooth lines, *Soobshenia Akademii Nauk Gruzinskoi SSR* **91**, 2, 293-296, 1978 (Russian).
29. R.Duduchava:
On some integral equations with singular kernels, *Soobshenia Akademii Nauk Gruzinskoi SSR* **92**, 1, 21-24, 1978 (Russian).

30. R.Duduchava:
Integral equations of convolution type with discontinuous coefficients, *Soobshenia Akademii Nauk Gruzinskoi SSR* **92**, 2, 281-284, 1978 (Russian).
31. R.Duduchava:
On the index of a bisingular integral operator, I., *Mathematische Nachrichten* **91**, 431-460, 1979 (Russian).
32. R.Duduchava:
On the index of a bisingular integral operator, II., *Mathematische Nachrichten* **92**, 289-307, 1979 (Russian).
33. R.Duduchava, B.Khvedelidze:
Integral equation of convolution type, *Mathematical Encyclopaedia* v. **2**, 598-600, Sovetskaya Entsiklopedia, Moscow, 1979.
34. R.Duduchava:
On the solution of convolution equations over the quadrant, *Matematicheskie zametki* **27**, 3, 415-427, 1980 (Russian); also in: *Mathematical Notes* **27**, 207-213, 1980.
35. R.Duduchava, A.Saginashvili:
Integral operators of convolution on the semi-axes with semi-almost periodic presymbols, *Soobshenia Akademii Nauk Gruzinskoi SSR* **98**, 1, 21-24, 1980 (Russian).
36. R.Duduchava, A.Saginashvili:
Convolution integral equations on the semi-axes with semi-almost periodic symbols, *Differentsialnye Uravnenia* **17**, 301-312, 1981 (Russian); also in: *Differential Equations USSR* **17**, 207-216, 1981.
37. R.Duduchava:
An application of singular integral operators to some problems of elasticity, *Integral Equations and Operator Theory* **5**, 475-489, 1982.
38. R.Duduchava:
On multidimensional singular integral equations. Preliminary theorems, *Soobshenia Akademii Nauk Gruzinskoi SSR* **109**, 2, 241-244, 1983 (Russian).
39. R.Duduchava:
On multidimensional singular integral equations. The basic theorems, *Soobshenia Akademii Nauk Gruzinskoi SSR* **111**, 3, 465-468, 1983 (Russian).
40. R.Duduchava, T.Latsabidze:
Index of singular integral equations with complex conjugated functions, *Soobshenia Akademii Nauk Gruzinskoi SSR* **115**, 1, 1-4, 1984 (Russian).
41. R.Duduchava:
On multidimensional singular integral operators I. The half-space case, *Journal of Operator Theory* **11**, 41-76, 1984.

42. R.Duduchava:
On multidimensional singular integral operators II. The case of manifolds, *Journal of Operator Theory* **11**, 199-214, 1984.
43. R.Duduchava:
On general singular integral operators of the plane theory of elasticity, *Rendiconti Sem. Mat. Univers. e Politecn. Torino* **42**, 15-41, 1984.
44. R.Duduchava, L.Rodino:
The Riemann-Hilbert boundary value problem in a bicylinder, *Bulletin della Unione Matematica Italiana* **4-A, 6**, 327-336, 1985.
45. R.Duduchava, T.Latsabidze:
On the index of singular integral equations with complex conjugated functions on piecewise-smooth lines, *Trudi Tbilisskogo Matematicheskogo Instituta im. A.M.Razmadze Akademii Nauk Gruzinskoi SSR* **76**, 40-59 (1985). (Russian).
46. R.Duduchava:
General singular integral equations and basic theorems of the plane theory of elasticity, *Trudi Tbiliskogo Matematicheskogo Instituta Akademii Nauk Gruzinskoi SSR* **82**, 45-89, 1986 (Russian).
47. R.Duduchava:
On algebras generated by convolutions and discontinuous functions, *Integral Equations and Operator Theory* **10**, 505-530, 1987.
48. R.Duduchava, R.Schneider:
The algebra of non-classical singular integral operators on a half-space, *Integral Equations and Operator Theory* **10**, 531-553, 1987.
49. R.Duduchava, G.Mjzavia:
On the regularization of the singular integral operators; in: *Abstracts of the conference "Operator Theory, Advances and Applications", Calgary, August, 1988*.
50. R.Duduchava, D.Natroshvili, E.Shargorodsky:
On continuity of generalized solutions of basic boundary value problems of the mathematical theory of cracks, *Soobshenia Akademii Nauk Gruzinskoi SSR* **135**, 3, 497-500, 1989 (Russian).
51. R.Duduchava, D.Natroshvili, E.Shargorodsky:
Basic boundary value problems of the mathematical theory of cracks for anisotropic media, *Proceedings of the extended seminar of I.Vekua Institute of Applied Mathematics, Tbilisi* **4, 2**, 87-90, 1989 (Russian).
52. R.Duduchava, D.Natroshvili, E.Shargorodsky:
Boundary value problems of the mathematical theory of cracks; in: *Proceedings of I.Vekua Institute of Applied Mathematics, Some problems of Elasticity Theory* **39**, pp. 68-84. I. Vekua Institute of Applied Mathematics, Tbilisi University. Tbilisi University Press, 1990.

53. R.Duduchava, E.Schargorodsky:
On some singular integral operators with fixed singularities, *Trudi Tbiliskogo Matematicheskogo Instituta Akademii Nauk Gruzinskoi SSR* **93**, 3-35, 1990 (Russian).
54. R.Duduchava, T.Latsabidze, A.Saginashvili:
Singular integral operators on curves with cusps, *Soobshenia Akademii Nauk Gruzinskoi SSR* **146**, 1, 21-24, 1992 (Russian).
55. R.Duduchava, F.-O.Speck:
Bessel potential operators for the quarter plane, *Applicable Analysis* **45**, 49-68, 1992.
56. R.Duduchava:
Wiener-Hopf Equations with the transmission property, *Integral Equations and Operator Theory* **15**, 412-426, 1992.
57. R.Duduchava, F.-O.Speck:
Pseudo-differential operators on compact manifolds with Lipschitz boundary, *Mathematische Nachrichten* **160**, 149-191, 1993.
58. R.Duduchava, N.Krupnik:
On the norm of singular integral operator on curves with cusps. *Integral Equations Operator Theory*, **20**, 376-382, 1994.
59. R.Duduchava, D.Natroshvili, E.Shargorodsky:
Basic boundary value problems of thermoelasticity for anisotropic bodies with cuts I. *Georgian Mathematical journal*, **2**, 123-140, 1995.
60. R.Duduchava, D.Natroshvili, E.Shargorodsky:
Basic boundary value problems of thermoelasticity for anisotropic bodies with cuts II. *Georgian Mathematical journal*, **2**, 259-276, 1995.
61. R.Duduchava, A.Saginashvili, E.Shargorodsky:
On two-dimensional singular integral operators with shift. *Proceedings of A.Razmadze Math. Inst.*, **103**, 1-13, 1995.
62. R.Duduchava, S.Prössdorf:
On the approximation of singular integral equations by equations with smooth kernels, *Integral Equations and Operator Theory*, **21**, 223-237, 1995.
63. R.Duduchava, T.Latsabidze, A.Saginashvili:
Singular integral operators with the complex conjugation on curves with cusps. *Integral Equations and Operator Theory*, **22**, 1-36, 1995.
64. A.Bastos, A.dos Santos, R.Duduchava:
Finite interval convolution operators in the Bessel potential spaces H_p^s , *Mathematische Nachrichten*, **173**, 49-63, 1995.
65. R.Duduchava, W.Wendland:
The Wiener-Hopf method for systems of pseudodifferential equations and its application to crack problems, *Integral Equations and Operator Theory* **23**, 294-335, 1995.

66. R.Duduchava, A.M. Sändig, W.L. Wendland:
The Wiener-Hopf method in crack and interface problems *Zeitschrift für Angewandte Mathematik und Mechanik (ZAMM)* **75/2**, 113-116, 1996.
67. R.Duduchava, A.Saginashvili, E.Shargorodsky:
On two-dimensional singular integral operators with a conformal Carleman shift, *Journal of Operator Theory* **37**, 263-279, 1997.
68. R.Duduchava:
Bessel potential operator, *Encyclopaedia of Mathematics*, Supplement Volume **I**, Ed. Prof. M. Hazewinkel, Kluwer Acad. Publ., 116-117, 1997.
69. R.Duduchava, D.Natroshvili:
Mixed crack type problems in anisotropic elasticity, *Mathematische Nachrichten* **191**, 83-107, 1998.
70. O.Chkadua, R.Duduchava:
Asymptotics of solutions to some boundary value problems of elasticity with cuspidal edges, *Memoirs on Mathematical Physics and Differential Equations* **15**, 1998, 29-58.
71. O.Chkadua, R.Duduchava:
Asymptotics of solutions to pseudodifferential equations, *Bulletin of the Academy of sciences of Georgia* **158**, 2, 207-210, 1998.
72. O.Chkadua, R.Duduchava:
Asymptotics of potential-type functions, *Bulletin of the Academy of sciences of Georgia* **159**, 1, 23-27, 1999.
73. R.Duduchava, E.Shargorodsky, N.Krupnik:
An algebra of integral operators with fixed singularities in kernels, *Journal of Operator Theory and Integral Equations* **33**, 406-425, 1999.
74. O.Chkadua, R.Duduchava:
Asymptotics of solutions to the crack problem, *Bulletin of the Academy of sciences of Georgia* **159**, 3, 389-391, 1999.
75. R.Duduchava, A.M. Sändig, W.L. Wendland:
Interface cracks in anisotropic composites, *Mathematical Methods in Applied Sciences*, **22**, 1413-1446, 1999.
76. R.Duduchava, D.Kapanadze:
On the Prandtl equation, *Georgian Mathematical Journal* v. 6 (1999), no.6, 525-536.
77. O.Chkadua, R.Duduchava:
Asymptotics of functions represented by potentials, *Russian Journal of Mathematical Physics*, **7**, 1, 15-47, 2000.
78. O.Chkadua, R.Duduchava:
Pseudodifferential equations on manifolds with boundary: Fredholm property and asymptotics, *Mathematische Nachrichten* **222**, 79-139, 2001.

79. R.Duduchava, F.-O.Speck:
Singular integral equations in special weighted spaces, *Georgian Mathematical Journal* **7**, 633-642, 2000.
80. R.Duduchava:
The Green formula and layer potentials, *Integral Equations and Operator Theory* **41**, 2, 2001, 127-178.
81. L.P. Castro, R. Duduchava, F.-O. Speck:
Singular integral equations on piecewise smooth curves in spaces of smooth functions, *Operator Theory, Advances and Applications*, Vol. 135, 107-144. Birkhauser varlag, 2002.
82. M.Costabel, M.Dauge, R.Duduchava:
Asymptotics without logarithmic terms for crack problems, *Communications in Partial Differential Equations* **28**, 869-926, 2003.
83. L.P. Castro, R. Duduchava, F.-O. Speck:
Localization and minimal normalization of mixed boundary value problem. In *Factorization, Singular Operators and Related Problems, Proceedings of the Conference in Honour of Professor Georgii Litvinchuk at Funchal*, Portugal 2002 (Eds. S. Samko et alt.), Kluwer, Dordrecht 2003, 73-100.
84. T.Buchukuri, O.Chkadua, R.Duduchava:
Crack-type boundary value problems of electroelasticity. In: *Operator Theoretical Methods and Applications to Mathematical Physics. The Erhard Meister Memorial Volume* (Eds. I. Gohberg et alt.), *Operator Theory: Advances and Applications*, Vol. **147**, Birkhuser, Basel 2004, 189-212.
85. R.Duduchava, S. Rjasanow:
Mapping Properties of the Boltzmann Collision Operator, *Integral Equations and Operator Theory* **52**, 1, 2005, 61-84.
86. R.Duduchava, R. Kirsch, S. Rjasanow:
On estimates of the Boltzmann collision operator with cut-off, *Journal of Mathematical Fluid Mechanics* **7**, 2005, 1-25.
87. L.P. Castro, R. Duduchava, F.-O. Speck:
Finite interval convolution operators with transmission property, *Integral Equations and Operator Theory* **52**, 2005, 165-179.
88. R.Duduchava, D.Mitrea, M.Mitrea:
Differential operators and boundary value problems on surfaces. *Mathematische Nachrichten* **9-10**, 2006, 996-1023.
89. L. Castro, R. Duduchava and F.-O. Speck:
Asymmetric factorizations of matrix functions on the real line. I. Simonenko anniversary volume (eds. N. Vasilevskii et al), Birkhuser, OT: Advances and Applications **170**, 2006, 53-74.

90. T.Buchukuri, R.Duduchava, L.Sigua:
On interaction of electromagnetic waves with infinite bianisotropic layered slab. *Mathematische Nachrichten* **280**, No. 9-10, 2007, 971-983.
91. L. Castro, R. Duduchava and F.-O. Speck:
Solvability of Singular Integro-Differential Equations with Multiple Complex Shifts. *Compl. anal. oper. theory* **2** (2008), 327-343 (G. Litvinchuks memorial volume; eds. N. Vasilevskii et al).
92. R. Duduchava and D. Kapanadze:
Extended Normal Vector Field and the Weingarten Map on Hypersurfaces, *Georgian Mathematical Journal* **15** (2008), No. 3, 485-500.
93. T. Buchukuri, R. Duduchava, D. Kapanadze, D. Natroshvili:
On the uniqueness of a solution to an anisotropic Maxwell system, *Operator Theory: Advances and Applications*, Vol. **203** (2009), 137-164, Springer AG, Basel.
94. T. Buchukuri, O. Chkadua, R. Duduchava, D. Natroshvili:
Interface cracks problems in composites with piezoelectric and thermal effects, pp. 1-10. *Proceedings of 2009 ASME International Mechanical Engineering Congress, IMECE-2009*, Lake Buena Vista, Florida, USA.
95. R. Duduchava:
Partial differential equations on hypersurfaces, *Memoirs on Differential Equations and Mathematical Physics* **48**, 2009, 19-74.
96. R. Duduchava:
Lions's lemma, Korn's inequalities and Lamé operator on hypersurfaces, *Operator Theory: Advances and Applications*, Vol. **210**, 43-77, 2010 Springer AG, Basel.
97. R. Duduchava:
A revised asymptotic model of a shell. *Memoirs on Differential Equations and Mathematical Physics* **52**, 2011, 65-108.
98. L. Castro, R. Duduchava, D. Kapanadze:
Electromagnetic scattering by cylindrical orthotropic waveguide irises *Georgian Mathematical Journal* **99**, 2011, 99-120.
99. R. Duduchava:
Continuing functions from a hypersurface with the boundary. *Proceedings of A. Razmadze Mathematical Institute*, **52**, 2011, 65-108.

PAPERS ACCEPTED for a PUBLICATION

- PA1. R. Duduchava:
Continuation of functions from hypersurfaces pp. 1-28. Accepted in: *Complex Analysis and Differential Equations*.
- PA1. O. Chkadua, R. Duduchava, D. Kapanadze:
Potential methods for anisotropic pseudo-Maxwell's equations in screen type problems. 21 pp. Accepted in: *V. Rabinovich anniversary volume (eds. Y. Karlovich et al), Birkhuser, OT: Advances and Applications*

PAPERS SUBMITTED or in PREPARATION

- PS1. O. Chkadua, R. Duduchava, D. Kapanadze:
The screen type boundary value problems for anisotropic pseudo-Maxwell's equations, pp. 1-4. Submitted to: *Proceedings of A. Razmadze Mathematical Institute*.
- PS2. O. Chkadua, R. Duduchava, D. Kapanadze:
Equivalent regularization of Maxwells equations in domains with smooth boundaries.
In preparation
- PS3. R. Duduchava, N. Kvergelidze, M. Tsaava:
Fredholm criteria for a singular integral operator on an open arc in weighted Lebesgue's and Hoelder's spaces. In preparation
- PS4. R. Duduchava:
Screen-type problems for Maxwell's system. In preparation

PREPRINTS

- Pr1. R.Duduchava, D.Elliott, W.L. Wendland:
The spline collocation method for Mellin convolution equations, *Universität Stuttgart, Sonderforschungsbereich 404, Bericht 96/04*, 1-20, 1996.
- Pr2. R.Duduchava, A.M. Sändig, W.L. Wendland:
Cracks on the interface of anisotropic composite bodies, *Asymptotics of solutions, Universität Stuttgart, Preprint 95-9*, 1-71, 1995.
- Pr3. R.Duduchava:
Boundary value problems on a smooth surface with the smooth boundary. *Universität Stuttgart, Preprint 2002-5*, 1-19, 2002.
- Pr4. R.Duduchava:
Pseudodifferential operators with applications to some problems of mathematical physics (Lectures st Stuttgart University, Fall semester 2001-2002). *Universität Stuttgart, Preprint 2002-6*, 1-176, 2002.
- Pr5. R.Duduchava, D.Kapanadze, B. W. Schulze:
Asymptotic of potentials in the edge calculus. *University of Potsdam, Preprint 2003*.