

Professor Nodar Macharashvili
List of works

1. Macharashvili N.D., Chikobava N. On $(C, 1)$ summability of Fourier series with respect to generalized spherical functions. Proceedings of the GPI named after. IN AND. Lenin №1(282), 1980, 32-38.
2. Macharashvili N.D. On linear methods for summing Fourier series over generalized spherical functions. Communications of the Academy of Sciences of the GSSR, 98, № 3, 1980. 549-552.
3. Macharashvili N.D. On $(C, \alpha) \left(\frac{1}{2} < \alpha < 1 \right)$ –summability of Fourier series with respect to generalized spherical functions. Proceedings of the GPI named after. IN AND. Lenin №5(237), 1981, 43-48.
4. Macharashvili N.D. On the Lebesgue constants of Fourier series in generalized spherical functions. Proceedings of the GPI named after. IN AND. Lenin № 5(237), 1981, 49-56.
5. Macharashvili N.D. Sufficient conditions (C, α) for the summability of a differentiated Fourier-Laplace series on Proceedings of the GPI im. IN AND. Lenin № 3(260), 1983, 21-30.
6. N. Macharashvili, S. Topuria, G. Giorgadze, A. Kvaliashvili. Elements of linear algebra and analytic geometry. (help guide). Polytechnic Institute of Georgia, Tbilisi, 1984. 148 p.
7. Macharashvili N.D., Topuria S.B. Sufficient conditions for the convergence of Fourier-Laplace series of a class function. Works of Georgians. Polytech. ins-ta. № 3(285), 1985, 5-9.
8. Macharashvili N.D. Some properties of the Vallée-Poussin integral on Trudy Gruzin. Polytech. Institute № 3(285), 1985, 32-42.
9. Macharashvili N.D., Khocholava V.V., Darjania K.Sh., Giorgadze G.G., Zhvania I.M. Semester test assignments in mathematics for evening and distance learning students. I semester (textbook). GPI Publishing House, Tbilisi, 1987. 108 p.
10. Macharashvili N.D. On the convergence of the differentiated Vallée-Poussin integral on Proceedings Cargo S^k . Polytechnic Institute, № 2(314), 1987, 63-72.
11. Macharashvili N.D., Khocholava V.V., Darjania K.Sh., Giorgadze G.G., Zhvania I.M. Semester test assignments in higher mathematics. For full-time students, first semester. (tutorial). GPI Publishing House, Tbilisi, 1987. 112 p.

12. Macharashvili N.D., Khocholava V.V., Darjania K.Sh., Giorgadze G.G., Zhvania I.M., Megreldze S.V. Semester test assignments in higher mathematics for full-time students, semester II. (tutorial). GPI Publishing House, Tbilisi, 1988. 56 p.
13. Macharashvili N.D., Khocholava V.V., Darjania K.Sh., Mandzhavidze T.U., Giorgadze G.G., Zhvania I.M. Semester test assignments in higher mathematics for evening and distance learning students, semester II. (tutorial). GPI Publishing House, Tbilisi, 1988. 98 p.
14. N. Macharashvili, Balabanov, Kurashvili, Rukhadze, Z. Natsvlishvili, K. Darjania, M. Nadareishvili. Higher mathematics. Part III. (manual), Education, Tbilisi, 1988. 407 p.
15. N. Macharashvili, S. Topuria, V. Khocholava, G. Giorgadze, A. Kvaliashvili. Higher mathematics. Elements of linear algebra and analytic geometry. (manual) Education, Tbilisi, 1988. 319 p.
16. N. Macharashvili, S. Topuria, V. Khocholava, M. Gabidzashvili, A. Kvaliashvili. Higher mathematics. Differential accounting of a function of one variable. (manual), Education, Tbilisi, 1989. 450 p.
17. Macharashvili N.D., Khocholava V.V., Darzhania K.Sh., Giorgadze G.G., Zhvania I.M. Semester test assignments in higher mathematics for evening and distance learning students III semester. (tutorial). GPI Publishing House, Tbilisi, 1990. 87 p.
18. Macharashvili N.D., Khocholava V.V., Darjania K.Sh., Natsvlishvili Z.M., Giorgadze G.G., Tabidze G. Semester test assignments in higher mathematics for full-time students III semester. (tutorial). GTU Publishing House, Tbilisi, 1990. 96c.
19. Macharashvili N.D., Khocholava V.V., Darjania K.Sh., Natsvlishvili Z.M., Giorgadze G.G. Semester test assignments in higher mathematics for evening and distance learning students IV semester. (tutorial). GTU Publishing House, Tbilisi, 1990. 92 p.
20. N. Macharashvili, S. Topuria, V. Khocholava, M. Gabidzashvili. Higher mathematics. Functions of many variables, integrals, differential equations. (manual), Education, Tbilisi, 1991. 696 p.
21. N. Macharashvili, S. Topuria, G. Abesadze, G. Ozbegashvili, V. Khocholava, Z. Metreveli. Mathematics, part I. Algebra and the beginnings of analysis. The third revised edition, (manual), Education, Tbilisi 1991. 782 p.

22. N. Macharashvili, S. Topuria, V. Khocholava, M. Gabidzashvili. Higher mathematics. Multiple integrals, series, functions of a complex variable. (manual), Education, Tbilisi, 1993. 664 p.
23. N. Macharashvili, V. Bartaia. Funny school tasks, first part, Tbilisi, 1996. 53 p.
24. N. Macharashvili. Funny school tasks, the second part, Technical University, Tbilisi, 1996. 72 p.
25. N. Macharashvili, S. Topuria, V. Khocholava. Collection of problems of higher mathematics, Part I, (manual), Education, Tbilisi, 1996. 236 p.
26. N. Macharashvili, S. Topuria, V. Khocholava. Collection of problems of higher mathematics, part II, (manual), Education, Tbilisi, 1997. 284 p.
27. N. Masharashvili, S. Topuria. On $(C, \alpha, 2)$ and (C, α) Summability of Fourier Series Over Generalized spherical Functions of $L_p(S^3)$ Class Functions Bulletin of the Georgian academy of sciences, 155, N 1, 1997, 14-18.
28. N. Macharashvili, S. Topuria, V. Khocholava. Collection of problems of higher mathematics, part III, (manual), Education, Tbilisi, 1997. 237 p.
29. Macharashvili N.D., Topuria S.B. (C, α) summability in $L_p(S^3)$ and almost everywhere of Fourier series with respect to generalized spherical functions. Proceedings of GTU, № 2(413), 1997. 3-14.
30. N. Macharashvili, Z. Natsvlishvili. L. Altunashvili, Z. Sanikidze. Mathematics, equations containing parameters, inequalities and systems. (help guide). Tbilisi, 1998. 67 p.
31. N. Macharashvili, S. Topuria, V. Khocholava, G. Abesadze. Computational Mathematics, Fourth Revised Edition, (Textbook). "Technical University", Tbilisi, 1999. 160 p.
32. N. Macharashvili. Fun math for students, first part, chronograph. (help guide). Tbilisi, 2000. 68 p.
33. N. Macharashvili, S. Topuria, V. Khocholava. Higher Mathematics Course, Part I, (Textbook) "Technical University", Tbilisi, 2002. 502 p.
34. Macharashvili N.D., Tsiklauri Z.I., Pochkhua S. On the differential of the Vallée-Poussin integral. Proceedings of GTU, № 4(443), 2002, 9-14.
35. N. Macharashvili, N. Makhatadze. Mathematics for junior high school students. (help guide). "Chronograph" publishing house, Tbilisi, 2003. 63 p.

36. N. Macharashvili, N. Makhatadze. Mathematics for high school students. (help guide). "Chronograph" publishing house, Tbilisi, 2003. 112 p.
37. N. Macharashvili, S. Topuria, V. Khocholava, G. Giorgadze, A. Kirtadze. A collection of tests in mathematics, (help guide). "Technical University" publishing house, Tbilisi, 2004. 345p.
38. Macharashvili N.D., Pochkhua I., Tsiklauri Z.I. On the convergence of the differentiated de Vallée-Poussin integral. Proceedings of GTU, №4(454), 2004. 9-15.
39. N. Macharashvili, S. Topuria, V. Khocholava, G. Giorgadze, A. Kirtadze. A collection of tests in mathematics. Second Revised Edition (Auxiliary Manual). Publishing House "Technical University", Tbilisi, 2005. 306 p.
40. N. Masharashvili, I. Pochkua. On Valle-Poussin Integral on the S^k . Bulletin of the Georgian academy of sciences, 172, N 3, 2005. 21-27.
41. N. Macharashvili, S. Topuria, V. Khocholava, G. Giorgadze, A. Kirtadze. A collection of tests and problems in mathematics. (help guide). Publishing House "Technical University", Tbilisi, 2006. 310 p.
42. N. Macharashvili, S. Topuria, V. Khocholava, G. Abesadze, Z. Metreveli. Mathematics, Part I (Algebra and Fundamentals of Analysis). Fourth revised edition, (help manual) "Technical University" publishing house, Tbilisi, 2006. 444 p.
43. N. Masharashvili, I. Pochkua. Summability of Differen-riated Fourier Series over the System of Generalized Spherical Functions by Abel's method. Bulletin of the Georgian academy of sciences, 173, N 1. 2006, 38-41.
44. N. Masharashvili. On Summability of Fourier –Laplace Series. Bulletin of the Georgian academy of sciences, 174, N 1. 2006, 11-14.
45. Macharashvili N.D. On summability by a differentiated Fourier-Laplace series on a sphere using the Cesaro method. Proceedings of GTU, № 2(460), 2006, 5106-111.
46. N. Macharashvili. General skills. Mathematics (help guide). "Technical University" publishing house, Tbilisi. 2007. 190 p.
47. N. Macharashvili, S. Topuria, V. Khocholava. Higher mathematics. (Manual). "Technical University" publishing house, Tbilisi. 2007. 548 p.
48. N. Macharashvili. General skills, mathematics. (help guide). "Technical University" publishing house, Tbilisi, 2007. 196 p.

49. N. Macharashvili, S. Topuria, V. Khocholava, G. Giorgadze, A. Kirtadze. Collection of Tests and Problems in Mathematics, Second Revised Edition, (Help Guide). "Technical University" publishing house, Tbilisi, 2007. 312 p.
50. N. Macharashvili. General skills. verbal part. (Assistant Headmaster-Nelo). "Technical University" publishing house, Tbilisi, 2008. 192 p.
51. N. Macharashvili, S. Topuria, V. Khocholava, G. Abesadze, Z. Metrevel. Mathematics, first part, fifth revised edition, "Technical University" publishing house, Tbilisi, 2009. 440 p.
52. N. Macharashvili, S. Topuria, V. Khocholava. A short course in higher mathematics. (help guide). Publishing House "Technical University", Tbilisi, 2009. 510 p.
53. N. Macharashvili, S. Topuria, V. Khocholava, G. Giorgadze, A. Kirtadze. Compendium of Tests and Problems in Mathematics, Third Revised Edition, (Help Guide). Publishing house "Technical University", Tbilisi, 2009. 330 p.
54. N. Macharashvili. General skills. Part One, Second Revised Edition, (Auxiliary Manual). Publishing House "Technical University", Tbilisi, 2009. 268 p.
55. N. Macharashvili. General skills. Second part, second revised edition, "Technical University" publishing house, Tbilisi, 2009. 268 p.
56. N. Macharashvili, S. Topuria, V. Khocholava. A short course in higher mathematics. (Manual). Publishing House "Technical University", Tbilisi, 2009. 476 p.
57. N. Macharashvili. General skills. Part I (help manual) Publishing House "Technical University", Tbilisi, 2010. 274 p.
58. 60. N. Macharashvili. General skills. Part II. (help manual) Publishing house "Technical University", Tbilisi, 2010. 262 p.
59. N. Masharashvili, S. Topuria. Lebesgue Constants for (C, α) -summation of Furier Series over Generalized Spherical Functions. Georgian International Journal of Science and Technology. Volume 2, Number 3, 2010. 253-260.
60. N. Masharashvili, S. Topuria, Z. Tsiklauri. On the Classes of Functions and the Abelian sums of Fourier series in Generalized Spherical Funcrions. Georgian International Journal of Science and Technology. Volume 2, Number 4, 2010. 83730380.
61. N. Macharashvili. General skills. Part III (Supporting Manual). Publishing House "Technical University", Tbilisi, 2011. 226 p.

62. N. Masharashvili, S. Topuria, Z. Tsiklauri. On Classes of Functions and Fourier series with respect of Generalized Spherical Functions. Transactions of the Georgian Technical University, 4(482), 2011. 861-69.
63. N. Macharashvili. General skills. First part (help guide). Tbilisi, 2011. 360 p.
64. N. Macharashvili. General skills. Second part (help guide). Tbilisi, 2011. 360 p.
65. N. Macharashvili. General skills. Mathematical part (assistant manual). Tbilisi, 2012. 360p.
66. N. Macharashvili. General skills. verbal part. (help guide). Tbilisi, 2012. 360 p.
67. N. Macharashvili, N. Makhatadze. Math is fun and Olympic. First part (help guide). Tbilisi, 2012. 96 p.
68. N. Macharashvili, N. Makhatadze. Math is fun and Olympic. Second part (help guide). Tbilisi, 2012. 96 p.
69. N. Masharashvili. On the Summability of Haar Series. Georgian International Journal of Science and Technology. Volume 5, Number, 1, 2013, 1-12.
70. N. Masharashvili. Abel-Summability of Fourier Series with respect to Generalized Spherical Functions. Georgian International Journal of Science and Technology. Volume 6, Number 1, 2013. 1-3.
71. N. Masharashvili. On the Summability of Fourier series in Generalized Spherical Functions. Georgian international Journal of Science and Technology. Volume 6, Number 5, 2013. 1-6.
72. N. Macharashvili. general skills. Common Master's Examination. Tbilisi, 1915. 360 p.
73. N. Masharashvili, V. Khocholava. On the Summability of Haar Series. Transactions of the Georgian Technical University, 2(504), 2017, 154-163.
74. N. Masharashvili, V. Khocholava. On a Boundary value of Harmonic Functions in the Ball. Transactions of the Georgian Technical University, 2(504), 2017, 149-153.
75. N. Macharashvili, N. Makhatadze. Mathematics for primary grades. (help guide). "Our Book" publishing house, Tbilisi, 2017, 148 p.
76. N. Macharashvili, V. Khocholava. Mathematical analysis. First part. (Manual). Publishing House "Technical University", Tbilisi, 2017, 464 p.
77. N. Macharashvili, V. Khocholava. Second part. (Manual). Publishing House "Technical University", Tbilisi, 2019, 396 p.
78. N. Macharashvili. Mathematics. First part. (Manual). "Messenger of Georgia" publishing house, Tbilisi, 2019, 424 p.

79. N. Macharashvili. mathematics. Second part. (Manual). "Messenger of Georgia" Publishing House, Tbilisi, 2020, 392 p.
80. Some properties of Wigner polynomials. Transactions of the Georgian Technical University. 1(527), 2023, 118-123.

Head of Department

D. Natroshvili