

To the application of the multipoint method

Giorgi Buzhghulashvili

giorgi.buzhghulashvili570@ens.tsu.edu.ge

Department of mathematics

Tbilisi state university

We report on the application of the multipoint method for numerical solution of two-dimensional boundary value problems for some linear and nonlinear differential equations of the elliptic type, using the continuous analogue of the alternating direction method. We also give the results of numerical realizations and comparisons with the Tikhonov-Samarskii and Volkov methods.

References

[1]. Vashakmadze, T.S. The Theory of Anisotropic Elastic Plates, Kluwer Academic Publishers, Dordrecht/ Boston/ London, 1999, xv+240p. Publisher Springer, Hardcover ISBN 978-0-7923-5695-0.