

Nonlocal Boundary Value Problems for PDE:Well-Posedness

A.Ashyralyev

Department of Mathematics,Fatih University,Istanbul,Turkey

Abstract

The role played by coercive inequalities in the study of local boundary value problems for elliptic and parabolic differential equations is well known (see, e.g.,[1]). In present paper we consider the nonlocal boundary value problems for elliptic and parabolic differential equations. The coercive inequalities for the solution of these nonlocal boundary value problems are presented.

References

- [1] Ashyralyev A., Sobolevskii P.E.(2004). New Difference schemes for Partial Differential Equations.Vol.148,480p. Operator Theory and Appl., Birkhäuser Verlag, Basel, Boston, Berlin.