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ON CORRECT SOLVABILITY OF A LINEAR NONLOCAL PROBLEM OF GENERAL FORM FOR A CLASS OF THIRD ORDER HYPERBOLIC EQUATIONS

Abstract

In this paper we consider a nonlocal problem for a class of third order linear hyperbolic equations with measurable, in general, nonsmooth coefficients satisfying some p - integrability and boundedness conditions. The sufficient conditions for everywhere correct solvability of the considered problem are found.