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THE INITIAL BOUNDARY VALUE PROBLEMS  
FOR THE QUASILINEAR HYPERBOLIC  
EQUATIONS WITH NON STATIONARY NON  
LOCAL BOUNDARY CONDITIONS

**Abstract**

*This paper examines the initial-boundary value problems for a class of linear and nonlinear abstract differential equations in Hilbert spaces and aims at studying the existence and uniqueness of their solution. The results of this investigation are applied to solvability of initial boundary value problems for quasilinear hyperbolic equations with non stationary non local boundary conditions.*