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GLOBAL SOLVABILITY AND BEHAVIOR OF
SOLUTIONS THE CAUCHY PROBLEM FOR
SYSTEMS OF SEMILINEAR HYPERBOLIC
EQUATIONS WITH DISSIPATION

Abstract

In this paper we study the global solvability and the behavior of the Cauchy problem for systems of semilinear dissipative equations of the nonlinear part consists of sums of functions of two variables. We find conditions when the nonlinear part of which ensure the existence of global solutions