

Blow up of Solution for the Generalized Boussinesq Equation with Damping Term

Necat Polat^a and Doğan Kaya^b

^a Dicle University, Department of Mathematics, 21280 Diyarbakir, Turkey

^b Firat University, Department of Mathematics, 23119 Elazig, Turkey

Reprint requests to Dr. N. P.; E-mail: npolat@dicle.edu.tr

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We consider the blow up of solution to the initial boundary value problem for the generalized Boussinesq equation with damping term. Under some assumptions we prove that the solution with negative initial energy blows up in finite time.

Key words: Damped Boussinesq Equation; Generalized Boussinesq Equation;
Blow up of Solution; Initial Boundary Value Problem.