



Volume 3, Issue 3, Article 45

An Inequality of the 1-D Klein-Gordon Equation with a Time-varying Parameter

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Keywords: Partial differential equation, Klein-Gordon, Inequality, Controllability.

Date Received: 20/11/01

Date Accepted: 15/04/02

Subject Codes: 35L20, 93B05.

Editors: [Lars-Erik Persson](#),

Abstract: In this paper we present an inequality concerning the regularity of the solution of the Klein-Gordon equation with a time-varying parameter. In particular, we present an inequality comparing the norm of the initial state and the norm of the solution on some part of the boundary.



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