



Volume 4, Issue 4, Article 82

## On an Integral Inequality with a Kernel Singular in Time and Space

**Authors:** [Nasser-eddine Tatar](#),

**Keywords:** Nonlinear integral inequality, Singular kernel.

**Date Received:** 07/03/03

**Date Accepted:** 01/08/03

**Subject Codes:** 42B20, 26D07, 26D15.

**Editors:** [Drumi Bainov](#),

**Abstract:** In this paper we deal with a nonlinear singular integral inequality which arises in the study of partial differential equations. The integral term is non local in time and space and the kernel involved is also singular in both the time and the space variable. The estimates we prove may be used to establish (global) existence and asymptotic behavior results for solutions of the corresponding problems.



[Download Screen PDF](#)



[Download Print PDF](#)



[Send this article to a friend](#)



[Print this page](#)

search

[\[advanced search\]](#)

copyright 2003

[terms and conditions](#)

[login](#)