



Volume 5, Issue 2, Article 32

A Sufficient Condition for the Integral Version of Martins' Inequality

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Keywords: Martins' inequality
Date Received: 23/09/03
Date Accepted: 01/03/04
Subject Codes: Primary: 26D10, Secondary: 26D15.
Editors: [Josip E. Pecaric](#),

Abstract: We prove that if f is a nondecreasing, positive, twice differentiable function on \mathbb{R}^+ such that $t(\ln f(t))'' + (\ln f(t))' \geq 0$ for all $t > 0$, then f satisfies the integral version of Martins' inequality.



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