



Volume 9, Issue 2, Article 58

A Weighted Geometric Inequality and Its Applications

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Keywords: Triangle, Point, Polar moment of inertia inequality.
Date Received: 27/07/07
Date Accepted: 20/03/08
Subject Codes: Primary 51M16.
Editors: [Sever S. Dragomir](#),

Abstract: A new weighted geometric inequality is established by Klamkin's polar moment of inertia inequality and the inversion transformation, some interesting applications of this result are given, and some conjectures which verified by computer are also mentioned.



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