PROOF OF A DOUBLE INEQUALITY IN TRIANGLES

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Abstract. A double geometric inequality involving the side lengths, medians, angle bisectors and exradius of a triangle is proved by applying the “$R - r - s$” method in the theory of triangle inequalities. Several corollaries are obtained by using the main result and the other known inequalities.


Keywords and phrases: Triangle, Euler’s inequality, Gerretsen’s inequality, Sondat’s inequality, Ciamberlini’s inequality, Walker’s inequality.

REFERENCES


