

SOME GEOMETRIC INEQUALITIES INVOLVING ANGLE BISECTORS AND MEDIANS OF A TRIANGLE

WEI-DONG JIANG AND MIHÁLY BENCZE

Abstract. In the present paper some geometric inequalities concerning the angle bisectors and the medians of a triangle are established.

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REFERENCES

- [1] O. BOTTEMA, R. Z. DJORDJEVIĆ, R. R. JANIĆ, D. S. MITRINOVIĆ AND P. M. VASIĆ, *Geometric inequalities.*, Groningen, Wolters-Noordhoff, 1969.
- [2] D. S. MITRINOVIĆ, J. E. PEČARIĆ AND V. VOLENEC, *Recent Advances in geometric inequalities*, Dordrecht, Netherlands, Kluwer Academic Publishers, 1989.
- [3] D. S. MITRINOVIĆ, J. E. PEČARIĆ, V. VOLENEC AND J. CHEN, *Addenda to the monograph: Recent Advances in geometric inequalities(1)*, Journal of Ningbo University **4**, 2 (1991), 1–145.
- [4] L. PANAITOPOL AND E. VASILE, *Problem 0: 139*, Gaz. Mat. (Bucharest) **85** (1980), **223** and **86** (1981), 223.
- [5] XUE-ZHI YANG(CHIEF EDITOR), *Research in Inequalities*(in Chinese), Xizang People's Press, 2000.
- [6] WEI-DONG JIANG, YUN HUA, *Refinement of an inequality*, shu xue tong bao(in Chinese) **10** (1997).