## On the generalized Coşniţă-Turtoiu inequalities

## Vasile Berinde


#### Abstract

. The aim of this note is twofold: first, to give a simple proof to a simplified version of a result of Y.-D. Wu and M. Bencze [The refinement and generalization of a double Coşniţă-Turtoiu inequality with one parameter, Creat. Math. Inf. 19 (2010), No. 1, 96-100] and, secondly, to extend this one parameter Coşniţă-Turtoiu inequality to a two parameters inequality.


## References

[1] Bencze, M., Wu, H.-H. and Wu S.-H., An equivalent form of fundamental triangle inequality and its applications, Octogon Math. Magazine, 16 (2008), No. 1, 36-41
[2] Chu, X.-G., Research Information Cxx-205, Communication in Studies of Inequalities 6 (1998), 67-68 (in Chinese)
[3] Coşniţă, C. and Turtoiu, F., Culegere de probleme de algebră, Editura Tehnică, Bucureşti, 1961
[4] Coşniţă, C. and Turtoiu, F., Probleme de algebră, Editura Tehnică, Bucureşti, 1972
[5] Mitrinović, D. S., Pečarić, J. E. and Volenec, V., Recent Advances in Geometric Inequalities, Acad. Publ., Dordrecht, Boston, London, 1989.
[6] Tian, Z.-P., An inequality relating to the altitudes, The Monthly Journal of High School Mathematics 26 (2003), pp. 42 (in Chinese)
[7] Wu, Y.-D. and Bencze, M., The refinement and generalization of a double Coşniţă-Turtoiu inequality with one parameter, Creat. Math. Inf. 19 (2010), No. 1, 96-100
[8] Zhang, X.-M., The relation between $\Pi \cos \frac{A}{2}$ and $\Pi \sin \frac{A}{2}$ and its applications, Communication in Studies of Inequalities 5 (1998), 14-17 (in Chinese)

North University of Baia Mare
Department of Mathematics and Computer Science
Victoriei 76, 430122 Baia Mare
E-mail address: vberinde@ubm.ro

[^0]
[^0]:    Received: 25.04.2010; In revised form: 07.07.2010; Accepted: 15.08.2010
    2000 Mathematics Subject Classification. 51M16, 52A40.
    Key words and phrases. Coşniţă-Turtoiu inequality.

