Mathematical
Inequalities
& Applications
Volume 8, Number 2 (2005), 331–336

SOME DETERMINANTAL INEQUALITIES

B. MOND, J. PEČARIĆ AND B. TEPEŠ

Abstract. In this paper we shall prove some new inequalities for Čebyšev functional and their applications to determinantal inequalities for n-tuples of continuous functions and vectors from unitary spaces.

Mathematics subject classification (2000): 26D15, 26D99.
Key words and phrases: Čebyšev functional, determinantal inequalities, continuous functions, unitary vector space.

REFERENCES

[1] S. S. DRAGOMIR, *Some inequalities for the Chebyshev functional*, Australian Mathematical Society Gazette, **29**, 3 (2003), 164–168.
[2] B. MOND, J. PEČARIĆ AND B. TEPEŠ, *Some determinantal inequalities*, Australian Mathematical Society Gazette, **30**, 4 (2003), 212–217.
[3] D. S. MITRIOVIĆ, J. E. PEČARIĆ AND A. M. FINK, *Clasical and New Inequalities in Analysis*, Kluwer Academic Publishers, Dordrecht/Boston/london, 1993.

© ELEMENT, Zagreb
Paper MIA-08-30