

COMPARISON THEOREMS BETWEEN SEVERAL QUASI-ARITHMETIC MEANS

SHOSHANA ABRAMOVICH, JOSIP PEČARIĆ AND SANJA VAROŠANEC

Abstract. Comparison between quasi-arithmetic means are established by which we prove Jensen's type inequalities.

Mathematics subject classification (2000): 26A51, 26B25, 26D07, 26D15, 26D20. Key words and phrases: Convex and concave functions, inequalities, means, Quasi-Arithmetic means.

REFERENCES

- [1] S. ABRAMOVICH, J. E. PEČARIĆ, Convex and Concave Functions and Generalized Hölder Inequalities, Soochow Journal of Mathematics, Taiwan, 14 (1998), pp. 261–272.
- [2] YOUNG -HO KIM, Refinements and extension of an Inequality, Journal of Mathematical Analysis and Applications 245, 628–632 (2000).
- [3] D. S. MITRINOVIĆ, J. E. PEČARIĆ AND A. M. FINK, Classical and New Inequalities in Analysis, Kluwer Academic, Dordrecht/Boston/London, 1993.

