Remarks on the paper "Jensen's inequality and new entropy bounds" of S. Simić

Talk

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(joint work with Josip Pečarić)

The purpose of this talk is twofold. The first is to give a brief account of the results preceding the main results from S. Simić, On a global upper bound for Jensen's inequality, J. Math. Anal. Appl. **343** (2008), 414–419. and Jensen's inequality and new entropy bounds, Appl. Math. Lett. **22** (2009), 1262–1265. The second is to give generalizations and improvements of these results.

MSC2010: 26D15.

 $\label{thm:equality} \mbox{ Heywords: Jensen inequality, Jensen difference, linear functionals.}$

Section: Real and Complex Analysis.