

## A NOTE ON INEQUALITIES DUE TO CLAUSING AND LEVIN–STEČKIN

PETER R. MERCER

*Abstract.* A single argument yields inequalities due to Clausing and Levin–Stečkin.

*Mathematics subject classification (2010):* 26D15.

*Keywords and phrases:* convexity; Levin–Stečkin.

### REFERENCES

- [1] A. CLAUSING *Disconjucacy and Integral Inequalities*, Trans. Amer. Math. Soc. **260** (1980), 293–307.
- [2] V. I. LEVIN AND S. B. STEČKIN, *Inequalities*, Amer. Math. Soc. Transl. (2) **14** (1960), 1–29.
- [3] J. LUKEŠ, J. MALÝ, I. NETUKA AND J. SPURNÝ, *Integral Representation Theory*, deGruyter 2010.
- [4] J. E. PEČARIĆ, F. PROSCHAN AND Y. C. TONG, *Convex Functions, Partial Orderings and Statistical Applications*, Academic Press, New York, 1992.
- [5] J. E. PEČARIĆ AND A. UR REHMAN, *Cauchy means introduced by an inequality of Levin and Stečkin*, East J. on Approximations, **15** (2009), 429–438.