

# Exponential convexity method

(Talk )

Julije Jakšetić

Faculty of Mechanical Engineering and Naval Architecture,  
University of Zagreb, Croatia  
julije@math.hr

(joint work with Josip Pečarić)

Exponentially convex functions are invented over eighty years ago by S. N. Bernstein and D. V. Widder as a sub-class of convex functions. To this date there is no operative criteria to recognize exponential convexity and examples of these functions are quite sparse. In this presentation we give general method of constructing exponentially convex functions. Further, these functions are recognized as basic ingredient of Cauchy means such as generalized Stolarsky means and this fact enables us to compare those means.

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