FUNCTIONALS RELATED TO THE DEC INEQUALITY

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Abstract. We consider the so-called DEC inequality via theory of isotonic linear functionals. The DEC inequality is a refinement of the well-known Cauchy inequality and its well-known particular cases are the Milne and the Callebaut inequalities. We also investigate properties of some functionals which are arisen from the DEC inequality.


Keywords and phrases: The Callebaut inequality, the DEC inequality, isotonic linear functional, mean, the Milne inequality, superadditivity.

REFERENCES