

SOME INEQUALITIES FOR CSISZÁR-DIVERGENCE MEASURES

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ABSTRACT. In this paper our underlying motivation is to estimate the difference between the two sides of the relevant f-divergence and Shannon's inequality. In this paper we will give the bounds and also we will give some improvements of f-divergence and Shannon's inequality.

Key words and phrases. Logarithmic convexity , Csiszár-divergence, Shannon's inequalities.