EQUALITY CASES OF INEQUALITIES INVOLVING
GENERALIZED CSISZÁR AND TSALLIS TYPE $f$–DIVERGENCES

MAREK NIEZGODA

Abstract. In this note, we study the problem of equality case of two inequalities involving generalized Csiszár $f$-divergences and generalized Tsallis $f$-divergences, respectively, with a convex function $f$. To this end we use generalized inverses of matrices and inverse-positive matrices.


Keywords and phrases: Convex function, Csiszár $f$-divergence, Tsallis type $f$-divergence, positive (entrywise) matrix, generalized inverse of matrix, inverse-positive (entrywise) matrix.

REFERENCES