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ON NON–SYMMETRIC t–CONVEX FUNCTIONS

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Abstract. Let $I \subseteq \mathbb{R}$ be an open interval. We consider a functions $f : I \to \mathbb{R}$ satisfying

$$f(tx+(1-t)y) \leqslant tf(x)+(1-t)f(y), \quad (*)$$

for a fixed $t \in (0,1)$ and $x \leqslant y$. We discuss the relations between the class of functions satisfying inequality $(*)$ and the class of t-convex functions.

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