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ON STRONGLY *h*-CONVEX FUNCTIONS

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ABSTRACT. We introduce the notion of strongly *h*-convex functions (defined on a normed space) and present some properties and representations of such functions. We obtain a characterization of inner product spaces involving the notion of strongly *h*-convex functions. Finally, a Hermite–Hadamard–type inequality for strongly *h*-convex functions is given.

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