

ABOUT THE STUDY OF CONVEXITY OF NONDERIVABLE FUNCTIONS

Abstract. A convex function has finite lateral derivatives in every interior point of its domain and also it is continuous in every interior point of its domain. Based on these and related properties, we formulate a simple algorithm that determines about a given $f : I \subseteq R \rightarrow R$ function if it is or it isn't convex (concave) on I .

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