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On the boundedness, Christensen measurability and continuity of t -Wright convex functions.

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The main goal of this paper is the investigation of regularity properties of t -Wright convex functions.

The main theorem of the first section is a Bernstein-Doetsch type one concerning t -Wright convex functions. It states that local boundedness at point of a t -Wright convex function entails its continuity at the same point. As consequences of this theorem, similar regularity theorems are stated, when the local boundedness condition is replaced for boundedness on a set is of second category, or boundedness on a set is of positive Lebesgue measure.

In the second section similar theorems are stated as in the first one using Christensen measurability.

Reviewer: Pál Burai (Debrecen)

MSC:

26A51 Convexity of real functions in one variable, generalizations

Cited in **1** Review
Cited in **5** Documents

Keywords:

[convexity](#); [Jensen convexity](#); [Wright convexity](#)

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