Lu, Jitan; **Lee, Peng-Yee**
On singularity of Henstock integrable functions. (English) Zbl 1015.26016
Real Anal. Exch. 25(1999-2000), No. 2, 795-797 (2000).

If $f : [0,1] \to \mathbb{R}$ is Henstock–Kurzweil integrable then $x \in [0,1]$ is a point of *non-summability* ('*singular point*' in the paper under review) if $\int_I |f|$ diverges for every open interval $x \in I \subset [0,1]$. An example shows that for each $0 < \lambda < 1$ there is a Henstock–Kurzweil integrable function f such that the set of points of non-summability has measure λ.

All the results of this paper, including the definition of point of non-summability and the example, are contained in pages 147-149 of [*R. L. Jeffery*, "The theory of functions of a real variable" (1951; Zbl 0043.27901)].

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MSC:

26A39 Denjoy and Perron integrals, other special integrals

Keywords:

singular point; Henstock-Kurzweil integrable function; point of non-summability