

Zbl 163.29903

Erdős, Pál

An example concerning open everywhere discontinuous functions (In English)

Rev. Roum. Math. Pures Appl. 11, 621-622 (1966). [0035-3965]

In the following, I shall give an example which answers in the affirmative the following problem posed by *S. Marcus* [Am. Math. Mon. 72, 993-995 (1965; Zbl 143.27802)]. Does there exist an open (Lebesgue or even Borelian) everywhere discontinuous function which has the Darboux property in no interval?

Classification:

26A15 Continuity and related questions (one real variable)