

Zbl 192.40304

Erdős, Pál; Stone, A.H.

On the sum of two Borel sets (In English)

Proc. Am. Math. Soc. **25**, 304-306 (1970). [0002-9939]

It is shown that the linear sum of two Borel subsets of the real line need not be Borel, even if one of them is compact and the other is G_δ . This result is extended to a fairly wide class of connected topological groups.

Classification:

04A15 Descriptive set theory

28A05 Classes of sets