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Insertion of a contra-Baire-1 (Baire-.5) function. (English) [Zbl 1428.26007]

Summary: A necessary and sufficient condition in terms of lower cut sets is given for the insertion of
a Baire-.5 function between two comparable real-valued functions on the topological spaces that whose
$F_{\sigma}$-kernel of sets are $F_{\sigma}$-sets.

MSC:
26A15 Continuity and related questions (modulus of continuity, semicontinuity, discontinuities, etc.)
for real functions in one variable
53C30 Differential geometry of homogeneous manifolds

Keywords:
insertion; strong binary relation; Baire-.5 function; kernel of sets; lower cut set

Full Text: DOI