

1125-37-1211

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*Hereditarily Non Uniformly Perfect Sets of Full Dimension.*

We introduce the concept of hereditarily non uniformly perfect (HNUP) sets, compact sets for which no compact subset is uniformly perfect, and compare the following properties: HNUP sets, Hausdorff dimension zero sets, logarithmic capacity zero sets, Lebesgue 2-dimensional measure zero sets, and porous sets. In particular, we give a random method for generating HNUP sets of positive Hausdorff dimension. Also, we construct a set of full Hausdorff dimension in the plane which is HNUP. Lastly, we state two related open questions. (Received September 15, 2016)