Zbl 236.05119
Erdős, Paul; Meir, A.; Sos, V.T.; Turan, P.
On some applications of graph theory. I. (In English)
Discrete Math. 2, 207-228 (1972); correction ibid. 4, 90 (1973).
[0012- 365X]

Let S be a set of n points of diameter 1 in k-dimensional Euclidean space. The authors determine the maximum number of distances which can be larger than a constant c and discuss various generalisations and applications to distance geometry, potential theory and theory of metric spaces.

Classification:
05C90 Appl. of graph theory
31-99 Potential theory
52B45 Dissections and valuations
54E35 Metric spaces, metrizability