

Geometric Partitioning

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The well-known Ham Sandwich Theorem says that given d nice sets in R^d , there exists a hyperplane that splits each of them into two parts of equal measure. When the sets are finite, there is the computational problem of finding such a plane.

This is a starting point for other facts about when, and how various sets can or cannot be split in various ways. Several old and new geometric partitioning results of this kind will be discussed.

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