



PROJECTIVE PARTITIONS OF VECTOR SPACES*

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Abstract. Given infinite-dimensional real vector spaces V, W with $|W| \leq |V|$, it is shown that there exists a collection of subspaces of V that are isomorphic to W , mutually intersect only at 0, and altogether cover V .

Key words. Vector space partitions, Sphere partitions, Projective spaces.

AMS subject classifications. 15A03, 54H05.

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