Families of Almost Disjoint Hamel Bases

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ABSTRACT

For infinite dimensional Banach spaces $X$ we investigate the maximal size of a family of pairwise almost disjoint normalized Hamel bases of $X$, where two sets $A$ and $B$ are said to be almost disjoint if the cardinality of $A \cap B$ is smaller than the cardinality of either $A$ or $B$. 