

Families of Almost Disjoint Hamel Bases

LORENZ HALBEISEN

*Institut für Informatik und angewandte Mathematik,
Theoretische Informatik und Logik, Universität Bern,
Neubrückstr. 10, 3012 Bern, Switzerland. halbeis@iam.unibe.ch*

(Presented by J.M.F. Castillo)

AMS *Subject Class.* (2000): 46B20, 03E10, 03E35

Received June 9, 2005

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 .