STEPHEN DILWORTH, Department of Mathematics, University of South Carolina, Columbia, SC 29208 *Discretization of coefficients in Banach spaces*

Let (e_i) be a bounded sequence in a Banach space X such that the additive group G generated by (e_i) is ρ -dense in the unit ball of X, where $\rho < 1$. When (e_i) is a bounded minimal system then ℓ_1 embeds into X^* . If, in addition, the approximant from G may be chosen by a natural algorithm then c_0 embeds into X. We discuss these results and attempt to generalize them to redundant systems such as frames.

This is joint work with Casazza, Odell, Schlumprecht, and Zsák.