1015-46-285 G Androulakis, Department of Mathematics, University of South Carolina, Columbia, SC 29208, K James Beanland, Department of Mathematics, University of South Carolina, Columbia, SC 29208, S J Dilworth, Department of Mathematics, University of South Carolina, Columbia, SC 29208, and F Sanacory* (sanacory@math.sc.edu), Department of Mathematics, University of South Carolina, Columbia, SC 29208. Embedding ℓ_{∞} into the Space of Bounded Operators on Certain Banach Spaces. Preliminary report.

Sufficient conditions are given on a Banach space X which ensure that ℓ_{∞} embeds in $\mathcal{L}(X)$, the space of all bounded linear operators on X. A basic sequence (e_n) is said to be quasisubsymmetric if for any two increasing sequences (k_n) and (ℓ_n) of positive integers with $k_n \leq \ell_n$ for all n, we have that (e_{k_n}) dominates (e_{ℓ_n}) . If a Banach space X has a seminormalized quasisubsymmetric basis then ℓ_{∞} embeds in $\mathcal{L}(X)$. (Received February 07, 2006)