1077-46-2645 Kevin Beanland and Daniel Freeman* (freeman@math.utexas.edu), 4009 Victory dr, apt# E101, Austin, TX 78704, and Rui Liu. Shrinking and Boundedly complete frames for Banach spaces.

A Schauder frame for a Banach space X is a sequence $(x_i, f_i) \subset X \times X^*$ such that $\sum f_i(x)x_i = x$ for all $x \in X$. Frames can be thought of in some respect as redundant bases, and thus it is natural to consider what theorems for bases can be generalized to frames. We will discuss how James' and Zippin's theorems about shrinking and boundedly complete bases can be generalized to frames. (Received September 22, 2011)