1044-47-37 **Pei-Kee Lin\*** (pklin@memphis.edu), Department of Mathematics, University of Memphis, Memphis, TN 38152. There is an equivalent norm of  $\ell_1$  that has the fixed point property for nonexpansive mappings.

Let  $\{\gamma_k\}$  be a strictly increasing sequence in (0, 1) that converges to 1. For each k, let  $\|\cdot\|_k$  be the semi-norm of  $\ell_1$  defined by

$$||(t_n)||_k = \gamma \sum_{n=k}^{\infty} |t_n|.$$

It is easy to see that the norm,  $||x|| = \sup_{k \in \mathbb{N}} ||x||_k$ , is an equivalent norm of  $\ell_1$ . In this talk, we show that  $(\ell_1, || \cdot ||)$  has the fixed point property for nonexpansive mapping. (Received July 28, 2008)