1131-46-206 **Cory Krause*** (corykrause@my.unt.edu). *Some partial results on the ℓ_p spreading model problem.* Preliminary report.

In the study of the asymptotic structure of Banach spaces, strong assumptions concerning the asymptotic geometry of a space may imply facts about the original geometry. Spreading models are one common tool in this regard. For example, assume that X is a space with a basis (x_i) such that every spreading model of a normalized block sequence of (x_i) is 1-equivalent to some fixed basic sequence (e_i). Does X contain $[e_i]$ isomorphically? The answer to this question is known to be yes whenever (e_i) is the unit vector basis of ℓ_1 or c_0. It has been asked if the same is true of ℓ_p for $1 < p < \infty$. We present some partial results on this question including a positive result under the additional assumption that all the normalized block sequences give rise to spreading models without passing to subsequences. (Received July 14, 2017)