1131-46-207 Petr Hajek (hajek@math.cas.cz), Czech Technical University in Prague, Zikova 4, 160 00, Prague, TX 160 00, and Thomas B Schlumprecht* (schlump@math.tamu.edu), Department of Mathematocs, Texas A&M University, College Station, TX 77845. On coarse embeddings into $c_0(\Gamma)$.

Let λ be a large enough cardinal number (assuming the Generalized Continuum Hypothesis it suffices to let $\lambda = \aleph_{\omega}$). If X is a Banach space with dens $(X) \geq \lambda$, which admits a coarse (or uniform) embedding into any $c_0(\Gamma)$, then X fails to have nontrivial cotype, i.e. X contains ℓ_{∞}^n C-uniformly for every C > 1. In the special case when X has a symmetric basis, we may even conclude that it is linearly isomorphic with $c_0(\text{dens}X)$. (Received July 14, 2017)