The following theorem of Globevnik and Stout was presented:

Let $f : \Delta \to \mathbb{B}_n$ *be a proper holomorphic map from the unit disc to the unit ball in* $\mathbb{C}^n$*. Let* $C(f) := \{w \in \partial\mathbb{B}_n | \exists z_n \in \Delta \quad f(z_n) \to w\}$ *be the set of cluster values of* f*. If* $\mathcal{H}^1(C(f)) < \infty$ *and the area of* $f(\Delta)$ *is finite then* f *extends continuously to the boundary.*

The proof exploits a topological lemma and a result of Tsuji that under the assumptions above the length of $f(\{z| \, |z-1| = r_n\})$ converges to zero for some sequence $r_n \searrow 0^+$.