

~~so ∂B is closed and bounded (by assumption) as taking it $B \cap [x, x]^\sim$~~

∂B is hausdorff dimension $n-1$ so \exists a collection D_k s.t

$$\sum_k (\text{diam}(D_k))^{n-1+\delta} \leq \frac{1}{m} \leq \epsilon$$

let $\eta_m = \min_j \text{diam}(B_{m,j})$

Take $\delta = 2$,

and choose m s.t $\delta_m < \min_k \text{diam}(D_k)$

$$\Rightarrow \text{diam}(B_{m,j}) < \min_k \text{diam}(D_k)^{\frac{1}{n+1}} \quad \forall j$$

~~§4~~

Then, let $t_{m,j}$: center of $B_{m,j}$. Then if $A_{m,j} \in \epsilon$ ~~or~~ then

$$h(t_{m,j}) \cdot d(h(t_{m,j}), \partial B) \leq \frac{1}{n} (\epsilon \cdot \text{diam}(B_{m,j}))$$

Claim $\mu(\partial B + \epsilon \text{ boundary}) \rightarrow 0$ as $\epsilon \rightarrow 0$
that's all I need!

hook up ~~convex~~ finite convex body
 and any hausdorff n -dimensional space
 can't find something!