BRITISH EMBASSY
BELGRADE

$$\omega_\eta(f) = \sup_{\|s-t\|<\eta} |f(s)-f(t)|$$

$\forall s,t$

$$|f(s)-f(t)| \leq \|\nabla f(\theta'_{s,t})\| \, \|s-t\|$$

by MV-inequality.

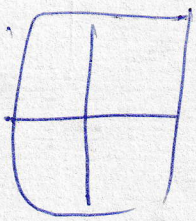
$$\leq \pi n C_\varepsilon \eta \quad !$$

(note holds $\forall \eta$!)

Take $\delta_m \to 0$ as $m \to \infty$

Take the B_{nj} to be balls of ~~radius~~ r diameter $d = 2r$.

then $\operatorname{diam}(B_{nj})^{n+\delta} = d^{n+\delta}$



$$\Rightarrow \sum_j = \sum_j d^{n+\delta} =$$

$$\sum d^n \approx \mu(T) \qquad \sum d^n \to \mu(T)$$

$$\Rightarrow \sum d^{n+\delta} \to d^\delta \mu(T) \overset{??}{<} \delta_m$$

as can take $d \to 0$!