Ex

$\mathbb{R}^n \qquad H : \mathbb{R}^n \to \mathbb{R}_+$ regolare

$$\Sigma_{\bar{E}} = \{ x \in \mathbb{R}^n \; : \; H(x) = \bar{E} \} \qquad \bar{E} > 0$$

$\Sigma_{\bar{E}}$ superficie regolare di codimensione 1 compatta

δ  $\Sigma_{\bar{E}}$

$\delta > 0$

$$\tilde{\Sigma}_{\bar{E}}(\delta) = \{ x \in \mathbb{R}^n \; : \; d(x, \Sigma_{\bar{E}}) < \delta \}$$

$\tilde{\Gamma}_{\bar{E},\delta}$ prob. uniforme in $\Sigma_{\bar{E}}(\delta)$

$$\tilde{\Gamma}_{\bar{E},\delta}(A) = \frac{\text{Leb}(A \cap \Sigma_{\bar{E},\delta})}{\text{Leb}(\Sigma_{\bar{E},\delta})}$$

se $\delta \to 0$

$\tilde{\Gamma}_{\bar{E},\delta} \to$? (si concentra su $\Sigma_{\bar{E}}$)

$$\bar{\Sigma}_{\bar{E}}(\delta) = \{ x \in \mathbb{R}^n \; : \; \bar{E} < H(x) < \bar{E} + \delta \}$$

$\Gamma_{\bar{E},\delta}$ Prob unif su $\bar{\Sigma}_{\bar{E}}(\delta)$

se $\delta \to 0 \qquad \Gamma_{\bar{E},\delta} \to$?