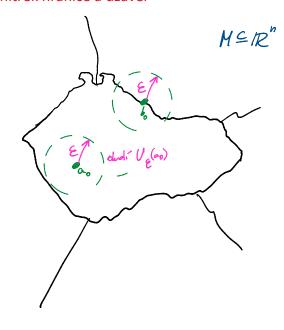
vnitřek hranice a uzávěr



and M je unitari bad
$$M \Longrightarrow \exists \varepsilon > 0 \ U_{\varepsilon}(a_0) \subseteq M$$

unitarek $M: M''$ je množina usech unitarich boda

$$\bigcup_{\mathcal{E}}(a_0) = \left\{ a \in \mathbb{R}^n \middle| \| a - a_0 \| \leq \xi \right\}$$

$$a_0 = \left(x_1, \dots, x_n \right)$$

$$a = \left(y_1, \dots, y_n \right) \qquad \| a - a_0 \| = \int_{i=1}^n \left(x_i - y_i \right)^{2i} dx$$

 $b_0 \in \mathbb{R}^n$ je hraniení bod $M \iff H \in > 0$ $U_{\mathcal{E}}(b_0) \cap M \neq 0$ & $U_{\mathcal{E}}(b_0) \cap (\mathbb{R}^n \setminus M) \neq \emptyset$ hranice $M: \delta M$ je množina všedh hranieních bode M

uzaver $M: \overline{M} = M \cup \overline{GM} (= H^{\circ} \cup \overline{GM})$ $c_{o} \in \mathbb{R}^{n} \text{ j.e. bodan uzaveru } M => \text{$\neq $\xi > 0$} \cup \text{$\xi(c_{o}) \cap M \neq 0$}$ $(t_{j}. c_{o} \in \overline{M})$

Prstencové okolí
$$P_{\mathcal{E}(a_0)} = U_{\mathcal{E}(a_0)} \setminus \mathcal{E}_{a_0}$$