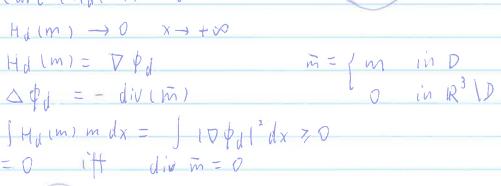
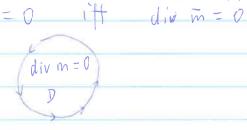
10/27. Anne de Bouard

$$\mu_0 = 1$$
 $\int div (H_d(m) + m) = 0$
 $\int (url (H_d(m)) = 0$
 $\int H_d(m) \rightarrow 0 \quad x \rightarrow +\infty$
 $\int d = \int div(m)$
 $\int d = \int div(m)$
 $\int H_d(m) m dx = \int |\nabla \phi_d|^2 dx > 0$





$$\mathcal{D}$$
 x_{9}

 $x = r \cos \theta$



hirt)

Vt* ho, P(t* (hz(ho)) < t*)>0 T= +x h=v+z dz=Az+dw, T $h_z(ho,t)=h(t)$ $\partial_t v = Av + b(v + Z)$, $b(v) = \frac{1}{r^2} (v - \frac{\sin 2v}{2})$ 1st step: Find open set Hin VB. Z in (10, Tx, VB) such that for any hot He and ZEZ, Tx (hz(ho)) < T*

 2^{nd} -step ho is fixed, using a control pbe and the continuous dependence of h w.r.t. ho and $z \in JV$, open in $C([0,T^*],V_{\beta})$ $\forall z \in V_{1}$, $h_{z}(h_{0},T^{*}) \in \mathcal{H}$. Then $P(z^{*}(h_{z}(h_{0})) \leq zT^{*}) \geq P(h_{z}(h_{0},T^{*}) \in \mathcal{H})$ $P(t^{*}(h_{z}(h_{0})) \leq zT^{*} \mid h_{z}(h_{0},T^{*}) \in \mathcal{H})$ $\geq P(z|_{(0,T^{*})} \in \mathcal{Z})$