

$$\begin{array}{l} ? \\ R^3_3 \\ R^{n+1}_3 \\ R^{n+1}_nMM \\ L \end{array}$$

$$H=tr(L)=\sum_{i=1}^n\kappa_i.$$

$$\begin{array}{l} f: \\ \Omega \rightarrow \\ R^n \Omega \in \\ R^n \end{array}$$

$$X:\Omega\rightarrow R^{n+1}X(x^1,x^2,\cdots,x^n)=(x^1,x^2,\cdots,x^n,f(x^1,x^2,\cdots,x^n))$$

$$\begin{array}{l} f \\ Mun \end{array}$$

$$H=div\frac{\nabla u}{\sqrt{1+|\nabla u|^2}}.$$

$$\begin{array}{l} X_i= \\ \frac{\partial}{\partial x^i}= \\ (0,\cdots,1,\cdots,0,u_i)= \\ (e_i,u_i)e_iR^nu_i \\ ux^i \end{array}$$

$$n=\frac{(-\nabla u,1)}{\sqrt{1+|\nabla u|^2}}.$$

$$\begin{array}{l} L(X_i)=-n_i=\frac{\partial}{\partial x^i}\frac{(\nabla u,-1)}{\sqrt{1+|\nabla u|^2}} \\ =\frac{(\nabla u_i,0)}{\sqrt{1+|\nabla u|^2}}-\frac{(\nabla u,-1)\cdot(1+|\nabla u|^2)_i}{2\sqrt{1+|\nabla u|^2}^3} \\ =\frac{1}{\sqrt{1+|\nabla u|^2}}(\nabla u_i,0)-\frac{\langle \nabla u,\nabla u_i\rangle}{\sqrt{1+|\nabla u|^2}^3}(\nabla u,-1) \end{array}$$

$$\begin{array}{l} H=trL=\sum_{i=1}^n\frac{u_{ii}}{\sqrt{1+|\nabla u|^2}}-\sum_{i=1}^n\frac{\langle \nabla u,\nabla u_i\rangle}{\sqrt{1+|\nabla u|^2}^3}u_i \\ =\sum_{i=1}^n\frac{u_{ii}}{\sqrt{1+|\nabla u|^2}}-\sum_{i,j=1}^n\frac{u_ju_{ji}}{\sqrt{1+|\nabla u|^2}^3}u_i \\ =div\frac{\nabla u}{\sqrt{1+|\nabla u|^2}}. \end{array}$$

$$\begin{array}{l} MM \\ \Omega \theta \in \\ S^1 \Omega \theta \\ \Omega \theta l_1, l_2 p \in \\ \Omega p l_1, l_2 \Omega p l_1 l_2 p \in \\ \Omega \Omega \Omega \Omega \\ \Omega \Omega \Omega \Omega \\ \Omega \theta \in \\ S^1 \Omega \theta l_{\theta} l_{\theta} \\ A, O, B \angle AOB \leq \\ \frac{\pi}{3} A, O, B \\ \mathcal{O}(0,0) \\ A = \\ (1,a), B = \\ (1,b) a < \\ b \\ ABOAOB\Omega \\ p \in \\ \Omega pABAB\Omega p \\ p_i = \\ pAB\Omega \{p_i : \\ i = \\ 0,1,2,\cdots\} \\ p_i p_i OAOB 2 \angle AOB \leq \\ \frac{2\pi}{3} \\ \frac{3}{2\pi} < \\ \frac{3}{3} \end{array}$$