$\frac{1}{2}(\Delta \Omega) = y \cdot \lambda$   $\frac{1}{2}(\Delta \Omega) = 0$   $\frac{1}{2}(\Delta \Omega)$ 

 $= -\lambda \int_{\Sigma} (u - v g) \Big|_{\Sigma_{\infty}} = -\lambda \int_{\Sigma} (u - v) g + \int_{\delta_{\Sigma}} |\nabla (u - v g)| \Big|_{\Sigma_{\infty}}$   $= -\lambda \int_{\Sigma} (u - v e) g + \int_{\Sigma} \frac{\nabla u}{|\nabla u|} \nabla g - \int_{\Sigma} |\nabla (u - v g)| \Big|_{\Sigma_{\infty}}$   $\int_{\Sigma} |A \cdot \nabla b| dv = \int_{\Sigma} (A \cdot Nb) ds - \int_{\Sigma} (\nabla \cdot Ab) dv \qquad |CD| = 0$   $\int_{\Sigma} |A \cdot \nabla b| dv = \int_{\Sigma} |A \cdot Nb| ds - \int_{\Sigma} (\nabla \cdot Ab) dv \qquad |CD| = 0$   $\int_{\Sigma} |a \cdot v| dv = \int_{\Sigma} |a \cdot v| dv = \int_{\Sigma} |a \cdot v| dv = 0$   $\int_{\Sigma} |a \cdot v| dv = \int_{\Sigma} |a \cdot v| dv = \int_{\Sigma} |a \cdot v| dv = 0$   $\int_{\Sigma} |a \cdot v| dv = \int_{\Sigma} |a \cdot v| dv = \int_{\Sigma} |a \cdot v| dv = 0$   $\int_{\Sigma} |a \cdot v| dv = \int_{\Sigma} |a \cdot v| dv = \int_{\Sigma} |a \cdot v| dv = 0$   $\int_{\Sigma} |a \cdot v| dv = \int_{\Sigma} |a \cdot v| dv = \int_{\Sigma} |a \cdot v| dv = 0$   $\int_{\Sigma} |a \cdot v| dv = \int_{\Sigma} |a \cdot v| dv = \int_{\Sigma} |a \cdot v| dv = 0$ 

 $\frac{\nabla u - i g_{N}}{b} = \frac{\nabla u}{|\nabla u|} = \int_{\Sigma} \lambda (u - u) g + \int_{\delta \Sigma} \frac{\nabla u}{|\nabla u|} \cdot Mg - \int_{\delta \Sigma} \nabla \cdot (\frac{\nabla u}{|\nabla u|}) g$   $\frac{\partial u}{\partial u} = \int_{\Sigma} \lambda (u - u) g + \int_{\delta \Sigma} \frac{\nabla u}{|\nabla u|} \cdot Mg - \int_{\delta \Sigma} \nabla \cdot (\frac{\nabla u}{|\nabla u|}) g$   $\frac{\partial u}{\partial u} = \int_{\Sigma} \lambda (u - u) - \int_{\Sigma} (\frac{\nabla u}{|\nabla u|}) = 0$ 

 $\int_{1}^{1} u \in SZ \longrightarrow -\lambda(u-u) - \mathcal{D}_{\bullet}(\frac{\nabla u}{|\nabla u|}) = 0$   $\int_{1}^{1} u \in \delta SZ \longrightarrow \frac{\nabla u}{|\nabla u|} \cdot N = 0 \quad : \quad \frac{\partial}{\partial N} u = 0$ 

ته انها ما جی با ماید شاه باله باله باله ما در ماین سازه دایند بالی وَاردهم و الله و ١٤٤٤ مَا وَاردهم له ما على السنكاماس ) ما است (21,000,100,101,09 Sob- Hy). in copy to BE L(unegy) Posserosons = Survey g dady + Son Tour dady & critice: SADb dady = SANbds - SID. Alb dady if  $A = \frac{Du}{|Du|}$   $\frac{\partial}{\partial z} = \lambda \int u - v y lady + \int \frac{Du}{|Du|} \cdot N y ds$   $\int b = y$   $\int D \cdot (\frac{Du}{|Du|}) y dady$ SCUPID Colin Cullin culling (12) 20 5 g stem Suo Glings のかりっしていることのできることのできる。  $\frac{1}{2}$   $\lambda (u - v) - \nabla_0 \left( \frac{\nabla u}{|\nabla u|} \right) = 0$ 為 9 (10u) N 2 0 沙马iop . Lut ien ( ) & 1 = 1 TV by Coo Serono C. (C

f(n (p,b) = 1 enp (- 1n-pl) ~> P(U/µzu,b) Loi min ( ( | Vul + bolu-vell) ilvieni MAP ci) 1 0= U+7 Umap = organan P(ulu) = organan P(viu) P(u) = organan P(viu) P(u) let P(u) \ e = g(u) = u map = craman [] enp(-10ij-uij) e-g(u) umap z argman to emp (-15/1/2-4/1) e-gu) المتالِّد ولتوكُّون من الله على الله على الله = argman - 1 | | v-u| | - g(u) = argmin 1 | | u-v| | + g(u)

if 12(1), g(u) 2 (10u) - unop 2) (10u) + 11u-v11, Eluv1 => U map zaromin f | Dul + > |u-ve| = [14-14]