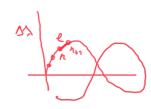
Arclength (data, u^n, λ^n) \longrightarrow (u^{n_H}, λ^{n_H})

Kmax = data. maxiler = 100

$$E = data.epsilon = 1.10^{-5}$$



Kr (un)

$$K_T V^n = q \xrightarrow{c.c.} V^n = \text{solveLS}(K_T, q, cc)$$

Predicción (k=0):

$$\Delta \chi_{K} = \frac{\text{Sgn}(qTV^{n})}{\text{Criterio trabajo}} \frac{\ell}{\left(V^{nT}V^{n} + \psi^{2}q^{T}q\right)^{1/2}}$$
externo positivo.

$$\Delta m_k = \sqrt{n} \Delta \Omega_k$$

$$\lambda_{\kappa} = \lambda^{n} + \Delta \lambda_{\kappa}$$

 $u_k = u^n + \Delta u_k$ $\lambda_k = \lambda^n + \Delta \lambda_k$ $\Rightarrow Solución del Problema$

while (K & Kmax & Re normark/70 > E)

Imprimir número subiteración

$$K_T$$
 (u_K)

 K_T Y = q $\xrightarrow{c.c.}$ Y = solve LS (K_T , q , cc
 K_T X = V_K $\xrightarrow{c.e.}$ X = solve LS (K_T , r_K , cc
 V_K = $\frac{-c_K + 2\Delta u_K^T X}{2\Delta u_K^T Y + 2\Delta l_K Y^2 q^T q}$
 $cl_K = -X + V_K Y$
 $\Delta u_K = \Delta u_K + d_K$
 $\Delta u_K = \Delta u_K + d_K$
 $\Delta u_K = \Delta u_K + d_K$
 $\Delta u_K = u_K + u_K$
 $\Delta u_K = u_K$

end

Imprimir residuo

K=K+1

$$\psi \neq 0$$
 $\Delta u^{T} \Delta u + \Delta \lambda^{2} \psi^{2} q^{T} q - \ell^{2} = 0$

$$\ell = \sqrt{||\Delta u||^{2} + \Delta \lambda^{2} \psi^{2} q^{T} q}$$