2.2. 目标轮廓曲线的表示(停之叶展开) L: (X(8), Y(8)). ① X(5), Y(5) 满见 Virialet新 X(可=X(不)=0 Y(0)=Y(不)=0 $\chi(\sigma) = \sum_{n=1}^{+\infty} \chi_n \sin(n\sigma). \quad \chi(\sigma) = \sum_{n=1}^{+\infty} \chi_n \sin(n\sigma). \quad \sigma \in [0, \bar{\Lambda}]$ $X_n = \frac{1}{\pi} \left(\frac{\pi}{\sigma} \times (\delta) \sin(n\delta) d\delta \right) \quad X_n = \frac{1}{\pi} \left(\frac{\pi}{\sigma} \times (\delta) \sin(n\delta) d\delta \right)$ 2 XIO), YIO i i i Neuman. $217 - \frac{dX}{dO} = \frac{dY}{600} |_{S=T} = \frac{dY}{dO} |_{S=T} = 0$ $X(\sigma) = \sum_{n=1}^{\infty} X_n \log (n\sigma)$ $Y(\sigma) = \sum_{n=1}^{\infty} Y_n \cos (n\sigma)$ Xn= = Taxlolosnodo Yn= = (xylo) wsnodo $\chi(0)=\chi_{S}$ $\chi(\pi)=\chi_{e}$ $\gamma(0)=\chi_{S}$ $\gamma(\pi)=\gamma_{e}$ 变换 X(0)= X(0)-X3-Xe-X5. otlo, 17 7 (0)= 4(0)- 4e - 4e-155.

引目标轮廓模型的建立.

 $Eext = \int_{0}^{\infty} \int |x_{1}y| d\sigma \qquad \int |x_{1}y|^{2} d\sigma \qquad \int |x_{1}y|^$

 $(J_{n}^{2}+\beta_{n}^{4})\chi_{n}+\frac{\chi}{m}\sum_{m=1}^{M}f_{x}(\chi(\frac{m_{n}^{2}}{m}),\gamma(\frac{m_{n}^{2}}{m}))\sin\frac{m_{n}^{2}}{m}=0$ $(J_{n}^{2}+\beta_{n}^{4})\chi_{n}+\frac{\chi}{m}\sum_{m=1}^{M}f_{y}(\chi(\frac{m_{n}^{2}}{m}),\gamma(\frac{m_{n}^{2}}{m}))\sin\frac{m_{n}^{2}}{m}=0$ $(J_{n}^{2}+\beta_{n}^{4})\chi_{n}+\frac{\chi}{m}\sum_{m=1}^{M}f_{y}(\chi(\frac{m_{n}^{2}}{m}),\gamma(\frac{m_{n}^{2}}{m}))\sin\frac{m_{n}^{2}}{m}=0$

3.2 模型求解. $\begin{pmatrix}
g_1(X_1, -X_n, Y_1, -X_n) = 0 & i & G_1(2) = [g_1(8), -g_n(8)]^{\frac{1}{2}} \\
g_2(X_1, -X_n, Y_1, -Y_n) = 0 & g = (X_1, -Y_n)^{\frac{1}{2}} \\
g_{2n}(X_1, -X_n, Y_1, -Y_n) = 0 & g = (X_1, -Y_n)^{\frac{1}{2}} \\
\Rightarrow G_1(8) = 0 & g = (X_1, -Y_n) = 0$ 法代的 Z = P(8). $P: D \subset \mathbb{R}^n \rightarrow \mathbb{R}^n$ $P(2) = [Y_1(8), -Y_n(2), -Y_n($

=) G(Z)=0.

進代版 Z=P(Z). $P: D\subset \mathbb{R}^n$ $V(Z)=[Y,1Z), ... Y_{n(Z)}]^T$. $Z_{KH}^{H}=Y(Z_{K}^{h})$ 需要 $||Y(X)-Y(Y)||\leq L||X-Y|| \forall X,Y t \mathbb{R}^n Lt(0,1)$. $Taylor G(Z_{K})=G(Z_{K})+G'(Z_{K})(Z-Z_{K}).$ 解及 $G(Z_{KH})=G(Z_{K})+G'(Z_{K}).$ (2 km-2k) 在 $G(Z_{KH})^{\sim}0$ $Z_{KH}=Z_{K}-(G'(Z_{K}))^{-1}G(Z_{K})$ 需要 $G'(Z_{K})$ 可逆.

3.2.1 逆 Broyden.松上法

Ak= G'18k). 2k+1 = 2k. -Ak G(8k).

用差寫代稿 #辞字数 $Ak+1 = (2k+1 - 2k) = (\frac{1}{2}(2k+1) - \frac{1}{2}(2k+1) - \frac{1$

BK+1 = (AK+ MKNE) = BK- SKBKJK. (BKJK-SK)BKI.

至此名时=2K-BKG(8K). Bo可承已成分(20)7. 41建立目标轮廓的量泛出模型。 Etol= Eint + Eext. Ext= [Lfix, ylds. fix, ylds. fix, ylds. 数少数少数 TO FLX, Y/= =- CII (X(0), Y(0))) Etol = 7 = (dn+ pn4) (xn+ xn) + 4(1xe-xs)+(1/e-1/s)] + (Lf(x,y)) ds. 萬成化. もし= 年 こ (Jn+13n4) (Xn+ Yn) + + ((Xe-Xs)+ 1/e-/s) + m=f(x(M), y(M)) / sm $\Delta S_{m} = \sqrt{\left(\frac{m\pi}{m}\right)^{2} - \chi\left(\frac{m\pi}{m}\right)^{2} + \left(\frac{m\pi}{m}\right) - \chi\left(\frac{m\pi}{m}\right)^{2}}$ 42 脊模型静 4.21响应业数. hoolol: 11. hoolol>0. 12, hoolo)= hoolol= hoolol= 1. (3) hr.(0)在(0,00]上单增 (50,7) 净减(4), hr.(6) 连续 The hoold = etilo-for - a. (5-50)2n n>,2 $(1) = 0 = \begin{cases} \frac{e^{-t} \int_{0}^{2} r^{2} dr}{\sqrt{(r^{2} - \sqrt{r})^{2}}} & 0 < 0 < \sqrt{r} \\ \frac{e^{-r(\sqrt{r} - \sqrt{r})^{2}}}{\sqrt{(r^{2} - \sqrt{r})^{2}}} & 0 < 0 < \sqrt{r} \end{cases}$ · hro(可) 满江 Dirichlet 新山 hro(可)= 三Hooln sinn o. 1-ln= = (hold) sinnodo. 2 m. moholmin) sin (nmin) 並似前分数Xar·Xan, Yor Yon. (Xii = Xoi+dH roli). (Yii = Yoi+dH roli). $\frac{\lambda_{1}}{\lambda_{1}} = \frac{\lambda_{1}}{\lambda_{1}} = \frac{\lambda_{1}}{\lambda_{2}} = \frac{\lambda_{1}}{\lambda_{2}} + \frac{\lambda_{2}}{\lambda_{1}} = \frac{\lambda_{1}}{\lambda_{2}} + \frac{\lambda_{2}}{\lambda_{1}} = \frac{\lambda_{1}}{\lambda_{2}} + \frac{\lambda_{2}}{\lambda_{2}} = \frac{\lambda_{1}}{\lambda_{1}} + \frac{\lambda_{2}}{\lambda_{2}} = \frac{\lambda_{1}}{\lambda_{1}} + \frac{\lambda_{2}}{\lambda_{2}} = \frac{\lambda_{1}}{\lambda_{1}} + \frac{\lambda_{2}}{\lambda_{1}} = \frac{\lambda_{1}}{\lambda_{1}} + \frac{\lambda_{1}}{\lambda_{1}} = \frac{\lambda_{1}}{\lambda$

4.2.2 其型 才解

(i) 造承初北京状态 $X | \sigma| = X_S + X_{e-X_S} \sigma$. $X_m = Y_{e-M} = 0$ $Y | \sigma| = Y_S + Y_{e-X_S} \sigma$. $X_m = Y_m = 0$ $Eint = \frac{1}{2} \sum_{n=1}^{\infty} \frac{1}{n} \int_{-\infty}^{\infty} \frac{1}{n} \int_{$

田若 Emin 〈E(X(δ), Y(б)) 取 Etol= Emin 更新 Xn. Yn, 转回山 否则 经止.