Hord rongin SVM

yi (worth) 7,1

Soft Morg M

Slach variable

 $\int_{0}^{\infty} \frac{1}{1} \left( x^{T} x + b \right) \frac{1}{2} \frac{1}{1 - \epsilon_{1}}$   $\int_{0}^{\infty} \frac{1}{1} \left[ x^{T} x + \frac{1}{2} +$ 

5. F. O < < ; < C

min 1 || w||2 + c = \( \xi \) \( \xi

L Lechie

< Graph for Low a horge c)

Soft magin en be wed for 1012 outliers

Novo

to Higher dimension 20 space 

Purd form of stoj furction ran 2 x; - 1 5 2 x; x; n; ny y; y; x Kornel function (Kornel Tryck) original vactors - Dot product of because formed vectors in higher dimensions for of anadratic Kund;