▲ 满足(6)式 到了一定满足以下条件.,尤其是对偶至补条件从(5)式可知., 以下对偶至补条件为

$$\begin{cases} \partial_i(1-g_i-y_i(\overrightarrow{w}^T\overrightarrow{x}_i+b))=0\\ u_ig_i=0\\ -g_i\leq 0\\ 1-g_i-y_i(\overrightarrow{w}^T\overrightarrow{x}_i+b)\leq 0\\ \partial_i\geq 0\\ u_i\geq 0 \end{cases}$$

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\partial_i = 0 & \partial_i + \mathcal{U}_i = C \implies \mathcal{U}_i = C \implies \mathcal{U}_i = 0 \\
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* 0 < di < C $di + Mi = C \Rightarrow Ui > 0 \Rightarrow 3i = 0$ V = V = V = V = V = V = V = 0 V = V = V = V = 0 V = V = V = 0 V = V = V = 0 V = V

即 Qi=0 时,对应样底, 京在 软间隔之外。(B确分类取样本) Qi=C 时 对应样本点 京在 软间隔之功 (勉强或误合类取样本) Qi>0 则 Qi<C 对应配样本点 沉 足 对容 同量。

◆把(6)式中〈京; 京〉用 k(京; 重京) 骸,表示京 映射到高维 压配内积,从而得到核化配SVM,这家是完整配试性不可分类的量机。