

$$(D+(2) = -\frac{\sqrt{2} \lambda_{1} y_{1} x_{1}}{4}, \frac{\sqrt{2} \lambda_{1} y_{1} x_{1}}{4})$$

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$$= -\frac{\sqrt{2} x_{1} x_{1} x_{1}}{4} + \frac{\sqrt{2} x_{1$$

SM-SVM

min
$$||W'||^2 + \frac{1}{2}G_{ij}|$$

S.T. $g: f(x_i, w) + G_{ij} = 0$

if $y: f(x_i, w) \ge 1 = 0$

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if

Fiv) min $\frac{2}{v} \left(\frac{y}{v} + \frac{f(x_i, w_j)^2}{f(x_i, w_j)^2} \right)$ S.T. $||w||^2 \leq C$ express \hat{w} using x, y_i, x_i

wing 2, yi Xi