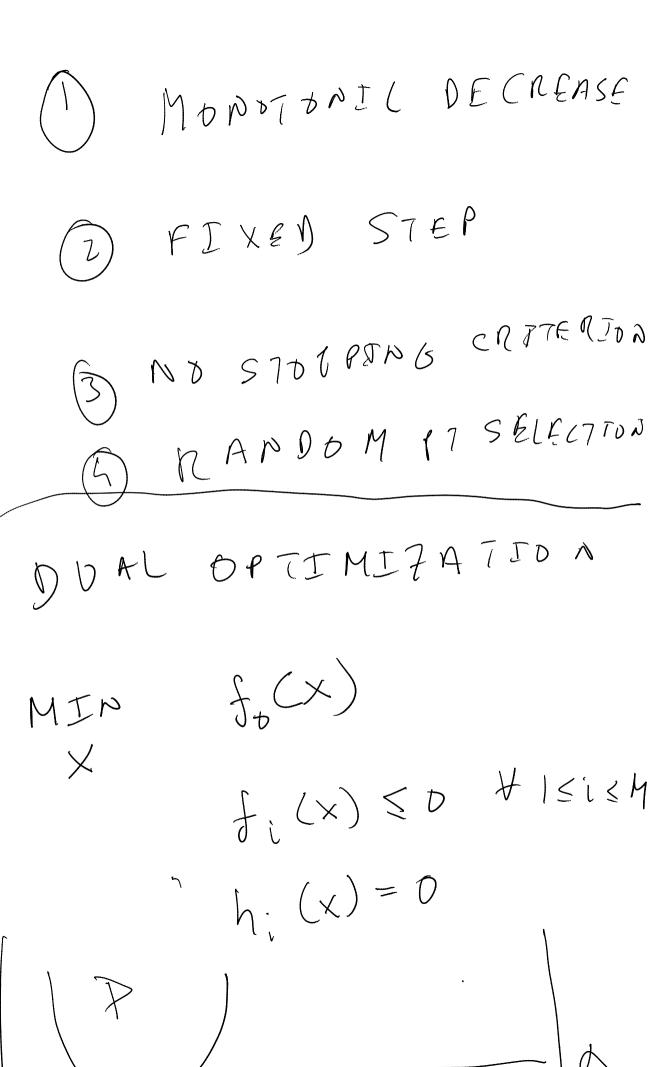
15 October 2013 12:19

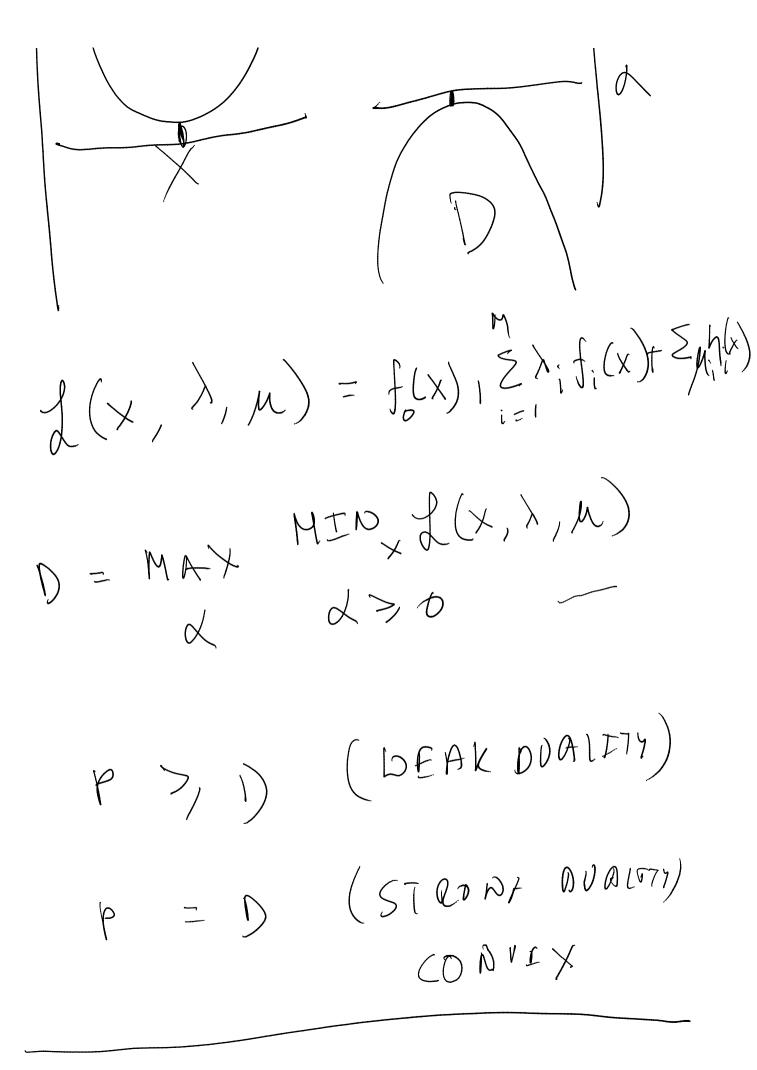
C-SVM PRIMAL

NO MAX (D, 1-y(
$$b^{x}$$
, b^{y})

NO MAX (D, 1-y(b^{x})

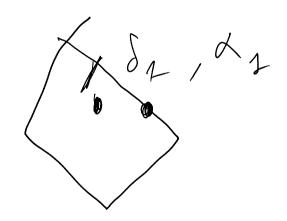
NO MAX (D, 1-y(b^{x





STRONG DUALTRY >> x, x, x

$$\lambda \star f_i(x^*) = 0$$



$$P = 1/2 w^{t} \omega + C Z 3;$$

$$\int y_{i} (w^{t} x_{i} + V) > 1 - 3;$$

$$X - D \times P - MAT 2t \times$$

$$f(x,) = L^t \times_i + b$$

$$D = XYX + D = ZXXYI$$

$$D = MAY + A - 1/2 X^{t} H d$$

$$D = XYX + A - 1/2 X^{t} H d$$

$$D \leq d \leq C, 1^{t} Y d \geq D$$

$$D \neq N + 1$$

$$D \neq N + 1$$

$$ZN + 1$$

$$ZN$$

$$\begin{cases} 2 \\ y_i f(x_i) < 1 \\ y_i f(x_i) < 1 \\ 3 \\ y_i f(x_i) < 1 \\ 4 \\ 5 \\ 6 \end{cases}$$

$$\begin{cases} 3 \\ y_i f(x_i) = 1 \\ 3 \\ 4 \\ 5 \\ 6 \end{cases}$$

$$\frac{1}{2} \frac{1}{2} \frac{1}$$

X+50;

426

MAXS
$$b < dit S < C$$

$$1^{t}d + S - \frac{1}{2}(dtse_{i})^{t}H$$

$$b < dit S < C$$

$$(d+se_{i})$$

$$D(d+se_{i}) - \frac{1}{2}S^{2}Hi_{i} - S(d^{t}h_{i})^{t}S + D(d)$$

$$D(d+se_{i}) - \frac{1}{2}S^{2}Hi_{i} - S(d^{t}h_{i})^{t}S + D(d)$$

$$(1 - d^{t}h_{i})S(1 - \frac{1}{2}M^{t}x_{i})$$

$$(1 - \frac{1}{2}M^{t}x_{i})$$

$$y_{i} = \frac{1}{2}d_{i}y_{i} \times \frac{1}{2}X_{i}$$

$$b(d) = \frac{1}{2}d_{i}y_{i} \times \frac{1}{2}X_{i}$$

$$b(d) + \frac{1}{2}S(d) + \frac{1}{2}S(d) + \frac{1}{2}S(d)$$

$$b(d) + \frac{1}{2}S(d) + \frac{1}{2}S(d) + \frac{1}{2}S(d)$$

 $\log(d + se_i) = \log(d) + s \times y_i$