(ALM) 塘户指格朗贝莱的话。

$$\frac{h!n}{st} \cdot \frac{f(x)}{Ax = b}$$

$$L(x,\lambda) = f(x) + \lambda (Ax-b)$$

$$L(x,\lambda) = f(x) + \lambda (Ax-b) + \frac{\alpha}{2} ||Ax-b||_{2}$$

$$||Ax-b||_{2}$$

$$||$$

(ADMM) 支替方向碰上这

min f(x,y) x s.t. $A \times + B y = b$ $f(x,y,\lambda) = f(x,y) + \lambda (A \times + B y - b)$ $+ \frac{1}{2} ||A \times + B y - b||_{2}$

 $\chi^{k+1} = \chi^{k} - \eta \nabla_{\chi} (\chi^{k}, \chi^{k})$ $\chi^{k+1} = \chi^{k} - \eta \nabla_{\chi} (\chi^{k+1}, \chi^{k}, \chi^{k})$ $\chi^{k+1} = \chi^{k} - \eta \nabla_{\chi} (\chi^{k+1}, \chi^{k}, \chi^{k})$ $\chi^{k+1} = \chi^{k} + \alpha (A \chi^{k+1}, \chi^{k+1}, \chi^{k})$

\$10k L Abhaisth ALM

\$ lok Liphaisth

\$ Sk / ADium

\$ SK