第四次作业 : AB+E=X 6.]. 2317 don1:

· E = X - AB (1) 加坡说道(1) 谷QLO)= (X-AQ)TW CX-AB) - (XW-OAW)(X-AU)

= XTWX - OTATWX - XTWAY+DTAWAD 二、用印对众(0)和马可得。

30 - ATWX- (XTWA)T. + ATWAD+ (DAMA)

- W X 160.

1. 2ATWX = 2ATWAD

= D

:, Ques= (ATWA)-1 ATWY 街地

· 他太王一百日七三到的WLS种约约

OWLS = (ATWA)-IATW (A9+E) - O+(ATWA)-1ATWE

去村多差短伸.

C= E (0- Owls) (0- Dws) T.? = (ATWA)-1 ATWRWA (ATWA)-1

· H Wx thy \$

in derce) DDI, A (ATWA)-ATWAWA (ATWA)-IAI=PWA(ATWA)A

:.此时节W~PT

6.4.
$$\frac{1}{2} |Ax - b||^{2} - \frac{1}{2} |A||^{2}$$

 $\frac{1}{2} |Ax - b||^{2} - \frac{1}{2} |A||^{2}$
 $\frac{1}{2} |Ax - b||^{2} - \frac{1}{2} |A||^{2}$
 $\frac{1}{2} |Ax - b||^{2} |Ax - b||^{2} - \frac{1}{2} |A||^{2}$

· 又土上土田XH土至有符

$$\frac{\partial \left[\left|Ax - b\right|\right|_{L^{2} - \frac{1}{2}} \lambda \left|\left|X\right|\right|_{L^{2}}}{\partial x^{1 + 1}} = A^{H}Ax - A^{H}b - \lambda x = 0$$

6.7. 截垢点,为(1,1),(3,1),(5,7),(4,6),(7,4).

$$x = 4, y = 4.2$$
 $\therefore M = 1$

$$\frac{1}{2} \left[\frac{1}{2} - \frac{1}{2} - \frac{1}{2} + \frac{1$$

了一般报一样子

$$D(1) = \sum_{i=1}^{\infty} \left[m(x_i - \bar{x}) + (y_i - \bar{y}) \right]^2$$

$$= (-3m - 1.2)^2 + (-m - 2.4)^2 + (m + 12.8)^2 + (3m - 0.4)^2$$

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$$\frac{3D(5')}{5m} = 40m + 1850$$
, $m = -0.45$