Monday, 23 June 2025 17:19
$$\Theta = \sqrt{\frac{m^2 k \ln^2 n}{m^2 k \ln^2 n}}$$

$$A = \begin{pmatrix} 11 \\ -11 \end{pmatrix} b = \begin{pmatrix} 8 \end{pmatrix} Ax = b$$

$$\begin{pmatrix} 1 \\ 24 \end{pmatrix} \begin{pmatrix} 24 \\ 1 \\ 1 \end{pmatrix} \begin{pmatrix} -1 \\ 1 \\ 1 \end{pmatrix} \begin{pmatrix} -1 \\ 8 \end{pmatrix}$$

 $\mp i_x := 4 (x) = D(x)$ 

$$\begin{array}{ll}
A = (-7-7) & B-(0) & AX = B \\
+ i_{Y}: & S Pan \left\{ \left( \frac{7}{2} \right)_{1} \left( \frac{1}{2} \right)_{2} \right\} & \left( \frac{7}{2} \right)_{1} \left( \frac{7}{2} \right)_{1} \\
L = S Pan \left\{ C U D \right\} = S Pan \left\{ \left( \frac{7}{2} \right)_{1} \left( \frac{9}{2} \right)_{1} \left( \frac{7}{2} \right)_{2} \right\} & \left( \frac{7}{2} \right)_{1} \left( \frac{7}{2} \right)_{2} \\
- i_{Y}: & S Pan \left\{ C U D \right\} = S Pan \left\{ \left( \frac{7}{2} \right)_{1} \left( \frac{9}{2} \right)_{1} \left( \frac{7}{2} \right)_{2} \right\} & \left( \frac{7}{2} \right)_{2} \\
- i_{Y}: & S Pan \left\{ C U D \right\} = S Pan \left\{ \left( \frac{7}{2} \right)_{1} \left( \frac{9}{2} \right)_{1} \left( \frac{7}{2} \right)_{2} \right\} & \left( \frac{7}{2} \right)_{2} \\
- i_{Y}: & S Pan \left\{ C U D \right\} = S Pan \left\{ \left( \frac{7}{2} \right)_{1} \left( \frac{9}{2} \right)_{1} \left( \frac{7}{2} \right)_{2} \right\} & \left( \frac{7}{2} \right)_{1} \left( \frac{9}{2} \right)_{2} \\
- i_{Y}: & S Pan \left\{ C U D \right\} = S Pan \left\{ \left( \frac{7}{2} \right)_{1} \left( \frac{9}{2} \right)_{1} \left( \frac{7}{2} \right)_{2} \right\} & \left( \frac{7}{2} \right)_{1} \left( \frac{9}{2} \right)_{2} \\
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- i_{Y}: & S Pan \left\{ C U D \right\} = S Pan \left\{ \left( \frac{7}{2} \right)_{1} \left( \frac{9}{2} \right)_{1} \left( \frac{9}{2} \right)_{2} \right\} & \left( \frac{7}{2} \right)_{1} \left( \frac{9}{2} \right)_{2} \\
- i_{Y}: & S Pan \left\{ C U D \right\} = S Pan \left\{ C U D \right\} & S$$

$$\begin{pmatrix} a \\ b \end{pmatrix}$$

>> L closed under C,D and DR

$$d_1 - d_2 = P D(x) = (\alpha) - x$$

$$A^{\dagger}Ax = A^{\top}b$$

$$\chi(D(X)) - de = X$$

$$\frac{1}{2}(x) = \frac{1}{2}$$

$$\chi(\Lambda(x)) - d_e = \chi$$

$$\chi(\Lambda(x)) - \chi(\Lambda(x)) - \chi(\Lambda(x))$$

$$((21)(x)-x)$$

$$\frac{1}{(x-x)} + \frac{1}{(x-x)} + \frac{1}{(x-x)}$$

$$\left(\left(\frac{\sum D(x) \cdot \lambda}{X}\right) + X - D(X) = c(D(x)) - d_2$$

$$\left(\frac{\sum D(x) \cdot \lambda}{X}\right) + \left(\frac{\sum D(x) - d_2}{X}\right) = c(D(x)) + C$$

$$= ((D(x)) + ((\underline{D(X)} - X))$$

In L: 061 00 Project to L and Perform D.R.

DR L DR

FOJ Ax=b: /8/

$$\begin{pmatrix} -7 \\ 8 \end{pmatrix} \in \mathcal{D}$$

L = Spon ((UD)= 1R4

$$X = \lambda^{\parallel} + \lambda^{\perp}$$

$$X = \lambda^{\parallel} + \chi^{\perp}$$
  $\chi^{\parallel} = \begin{pmatrix} \frac{b}{b} \\ \frac{b}{b} \end{pmatrix} = 0$ 

$$DR(X) = DR(X') + DR(X^{\perp})$$
?