

$$\begin{array}{l}
? \\
0.01\% \\
?? \\
?? \\
?? \\
?? \\
?? \\
?? \\
?? \\
?? \\
?? \\
? \\
? \\
?? \\
1 \\
? \\
A \\
log10 \\
j \\
l \\
1,2,\ldots,l \\
2 \\
\hat{x}_i \\
x_i \\
\hat{x}_i \\
\delta x_i = \\
x_i - \\
\hat{x}_i \\
\delta x_i = \\
O(\delta x) \\
\min_{x_j} \|Ax_j - \\
b\| \\
^{i+1-} \\
x_i)^T], b = \\
[(\|x_{i+1}\|^2 - \\
\|x_i\|^2) - \\
(d_{i+1,j}^2 - \\
d_{ij}^2)], i = \\
1,2,\ldots,l - \\
1., \|x_{i+1}\|^2 - \\
\|x_i\|^2 = \\
\|\hat{x}_{i+1} + \\
\delta x_{i+1}\|^2 - \\
\|\hat{x}_i + \\
\delta x_i\|^2 \\
= \|\hat{x}_{i+1}\|^2 - \\
\|\hat{x}_i\|^2 + \\
2\hat{x}_{i+1}\delta x_{i+1} - \\
2\hat{x}_i\delta x_i + \\
\delta x_{i+1}^2 - \\
\delta x_i^2., \hat{A} + \\
O(\delta x), b = \\
\hat{b} + \\
O(\delta x) \\
\|Ax_j - \\
b\| = \\
\|(\hat{A} + \\
\delta A)(\hat{x}_j + \\
\delta x_j) - \\
(\hat{b} + \\
\delta b)\| \\
= \|\hat{A}\delta x_j + \\
O(\delta x)\|. \\
A \\
b \\
A \\
A \\
A \\
b \\
3 \\
? \\
j \\
\mathcal{Y} \\
\mathcal{N} = \\
\{1,2,\ldots,n\} \setminus \mathcal{Y} \\
\#\{d_{ik} \neq \\
0 : \\
k \in \\
\mathcal{Y}\}, i \in \\
\mathcal{N}, \mathcal{I} = \\
\{i : \\
p(i) = \\
\max_{k \in \mathcal{N}} p(k)\}, \cdot, () j = \\
\arg \min_{i \in \mathcal{I}} \sum_{k \in \mathcal{Y}} d_{ik}, \text{ ``''}, \cdot \\
A
\end{array}$$