

Lecture 24

24-1

HW3 discussion:

δ_s 2.00 show δ_s
 0.003 include matlab output
 10e-04
 10e-10
 10e-15

show V residuals

include B, f, W, A for iter #1

label units

include code + output

$n = 14$
 $n_0 = \dots$
 \vdots
 for $n = 1: 10$

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$$\begin{pmatrix} x \\ y \\ z \end{pmatrix} = M \begin{pmatrix} X \\ Y \\ Z \end{pmatrix} + \begin{pmatrix} t_1 \\ t_2 \\ t_3 \end{pmatrix}$$

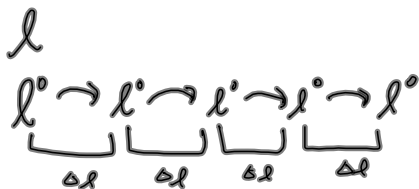
24-2

$$M = M_k M_\phi M_w, \quad M = M_w M_\phi M_k$$

$$\frac{dM}{dw} = M_k M_\phi \frac{dM_w}{dw} \quad \leftarrow \text{not consistent}$$

Contentious for photogrammetry

Observations only



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obs. only

24-3

$$l = [-, -, -, \dots]$$

w :-

$$l\phi = l ;$$

Iterations

$$x = l_0(1)$$

$$y = l_0(2)$$

$$d_1 = l\phi(1)$$

A

F

$$f = -F - A(l - l^0)$$

$$k = W_1 f$$

$$v = Q A^T k$$

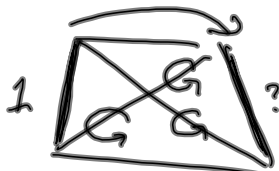
$$l^0_{prev} = l^0$$

$$l^0 = l + v$$

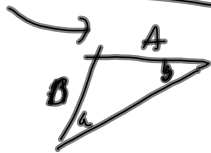
$$dl = l^0 - l^0_{prev}$$

end

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r = 4 24-4



$$\frac{a}{\sin A} = \frac{b}{\sin B}$$

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