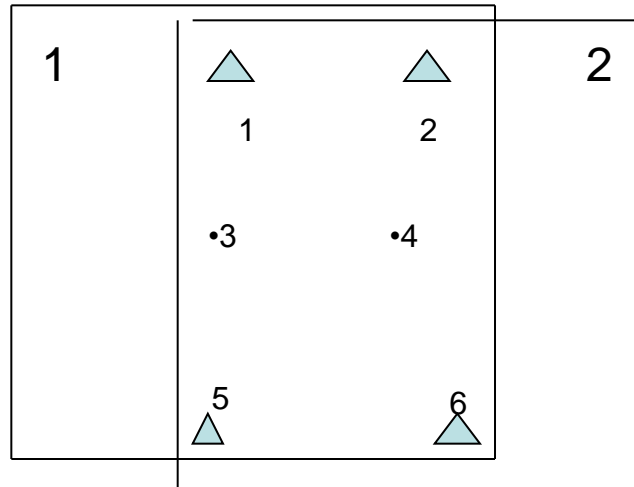


Observation Equations for 2 photo configuration

$$\begin{array}{l}
 \text{Collinearity} \\
 \text{Camera} \\
 \text{parameters} \\
 \text{GCPs}
 \end{array}
 \begin{bmatrix}
 \dot{A} & \ddot{A} \\
 I & 0 \\
 0 & I
 \end{bmatrix}
 \begin{bmatrix}
 \Delta \dot{X} \\
 \Delta \ddot{X}
 \end{bmatrix}
 -
 \begin{bmatrix}
 b_1 \\
 b_2 \\
 b_3
 \end{bmatrix}
 =
 \begin{bmatrix}
 v \\
 v_2 \\
 v_3
 \end{bmatrix}$$



6 points are observed on 2 photos. Camera station positions have been determined by GPS. Points 1, 2, 5 and 6 are GCPs as shown by the triangles.

One the following page, the non-zero elements of the above matrices have been shown in their correct locations. There are zeros in all other locations.

Due to limitations in space, vectors **b** and **v** have not be shown.

