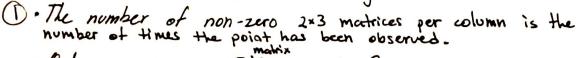


· C consists of 2x3 matrices Cij.



· Only one non zero 2×3 per vow, in C.

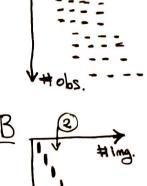
· B consists of 2×6 matrices Bij.

· Only one non zero 2×6 matrix per row, in B.

2). The number of non zero 2x6 matrices per column is the number of images points in the image.

· C connects 3D points to image points / projection.

. B connects a image point to camera orientation.



· Sparsed Wormal Matrix.

$$\mathcal{N} = A^{T} \sum_{i}^{-1} A = \begin{bmatrix} C^{T} \\ B^{T} \end{bmatrix} \sum_{i}^{-1} \begin{bmatrix} C, B \end{bmatrix} = \begin{bmatrix} C^{T} \sum_{i}^{1} C & C^{T} \sum_{i}^{1} B \\ B^{T} \sum_{i}^{1} C & B^{T} \sum_{i}^{1} B \end{bmatrix} = \begin{bmatrix} N_{KK} N_{KH} \\ N_{KK} N_{HH} \end{bmatrix}$$

$$\sum_{11} = \text{diagonal}\left(\sum_{j}\right)$$
 block diagonal covariance matrix for the observations.

$$N_{KK} = \sum_{i \in B_i} C_{ij} \sum_{ij} C_{ij}^T$$
 All images in which point i is obscrued.