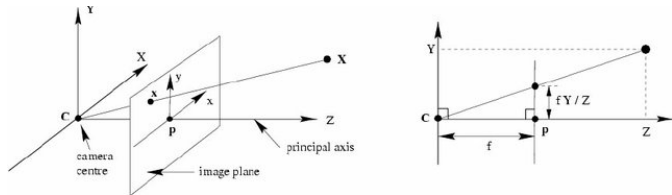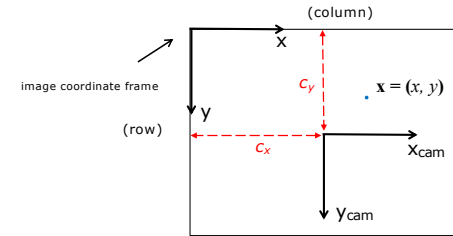## Recall that we defined camera coordinate frame

.. And Image coordinate frame
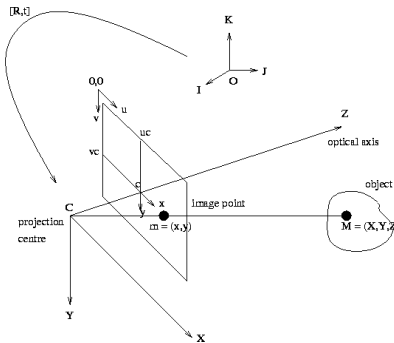
- Image coordinate frame is related to the camera coordinate frame by two translations c_x and c_y

- In addition, image point **x** is mm in the camera coordinate frame but in pixels in the image coordinate frame.

2

To be consistent, we have

To store an image in a matrix,

Matrix indices	Image Coordinate Frame
0/0---column---> | | row | | v	0/0---X---> | | Y | | v

I.e., camera (X, Y) -> image (u, v) -> matrix (column, row)

1