Image Signal Processing
Lab-1

Geometric Transforms

1. Translate the given image (`lena_translate.png`) by $(t_x = 3.75, t_y = 4.3)$ pixels.
2. Rotate the given image (`pisa_rotate.png`) about the image centre, so as to straighten the Pisa tower.
3. Scale the given image (`cells_scale.png`) by 0.8 and 1.3 factors.

NOTE : Use bilinear interpolation during target-to-source mapping.

NOTE: Co-ordinate convention followed to represent the above points (same as the standard Python convention),

1. Origin (0,0) at top left corner of the image
2. x-axis = along the rows of the image
3. y-axis = along the columns of the image