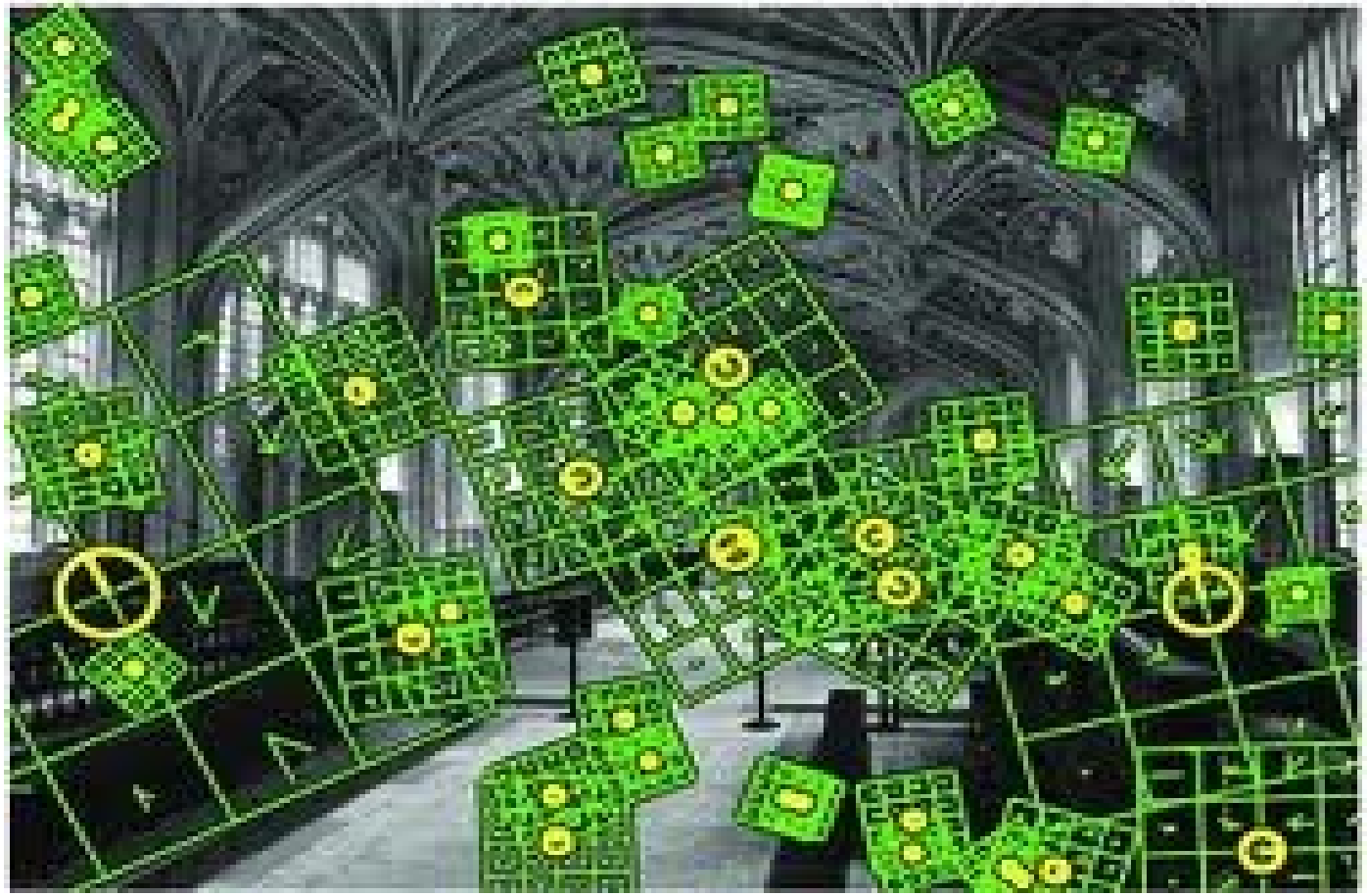
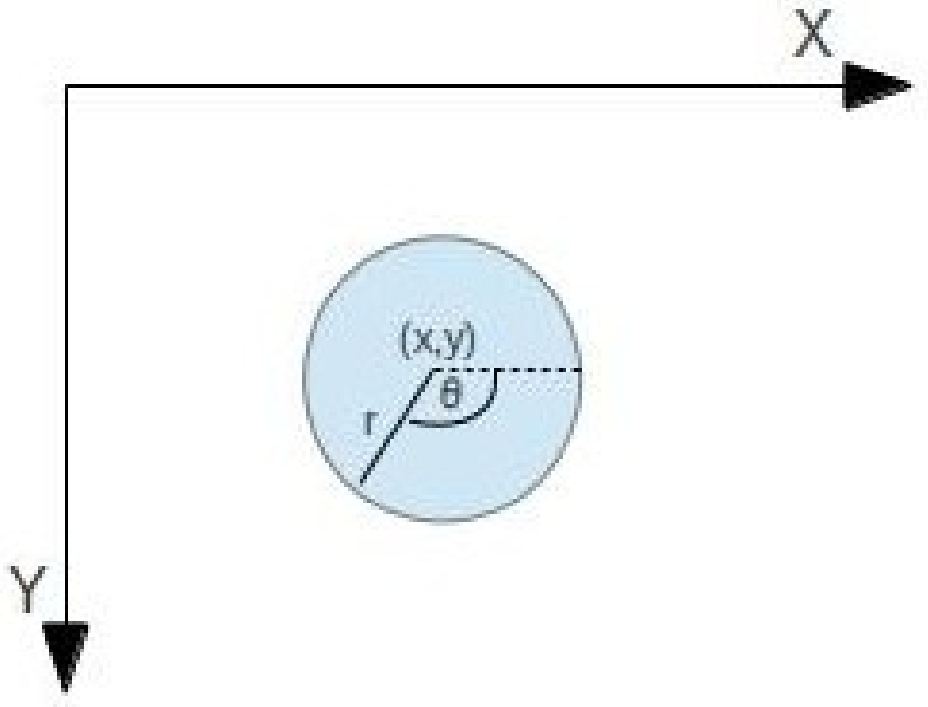
# Hacking SIFT




X
Y
(x,y)
θ
r

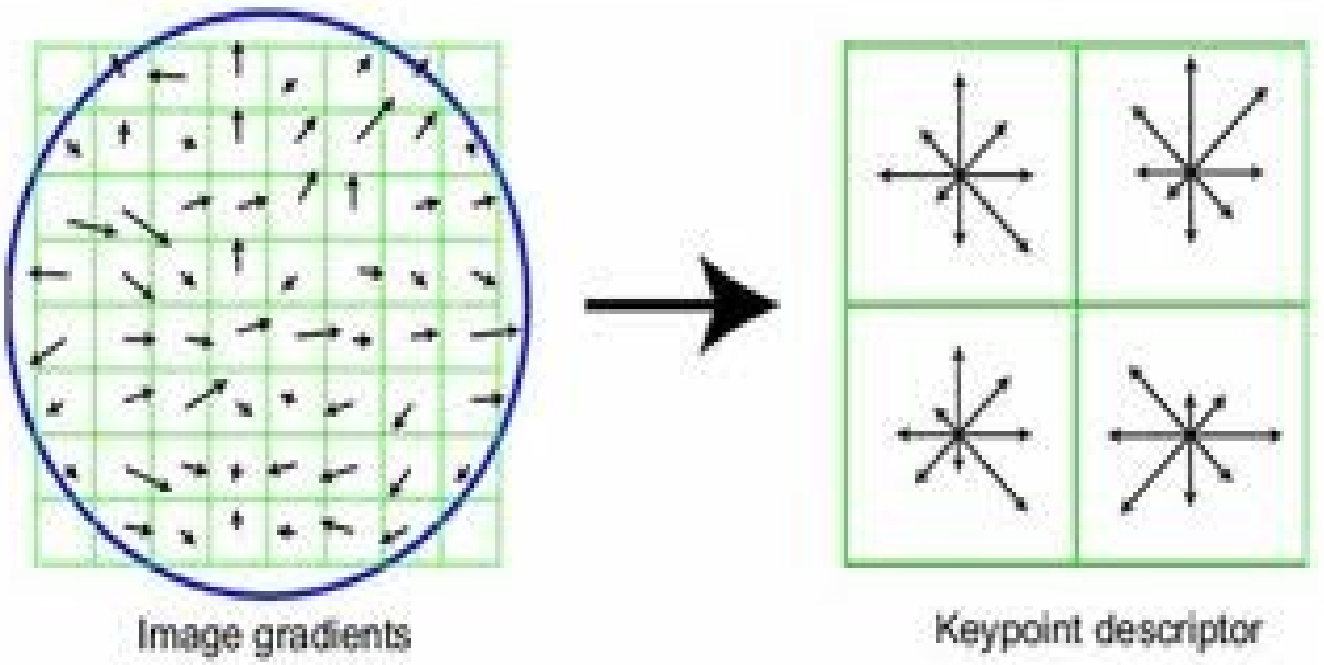


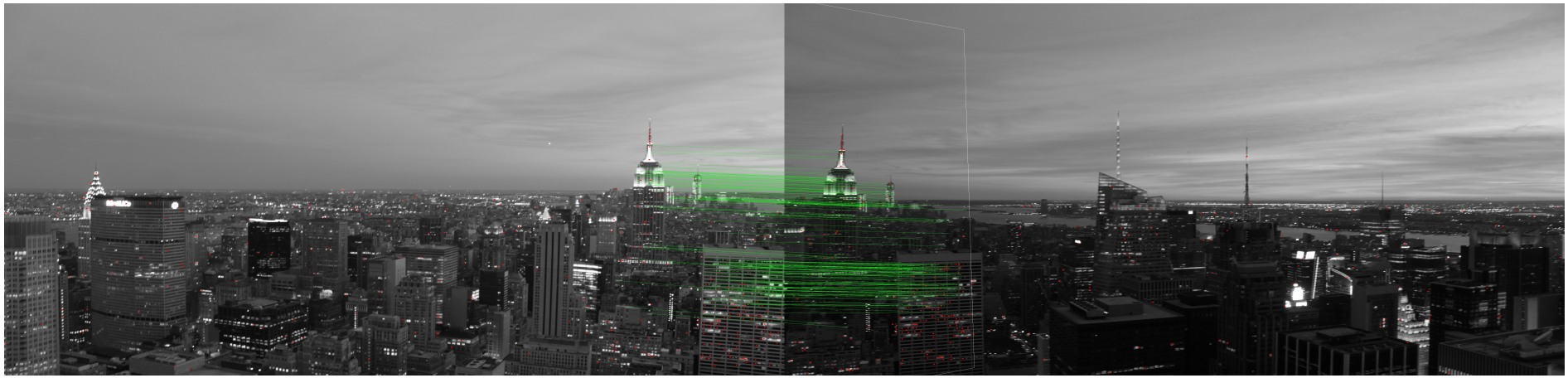
Image gradients
Keypoint descriptor

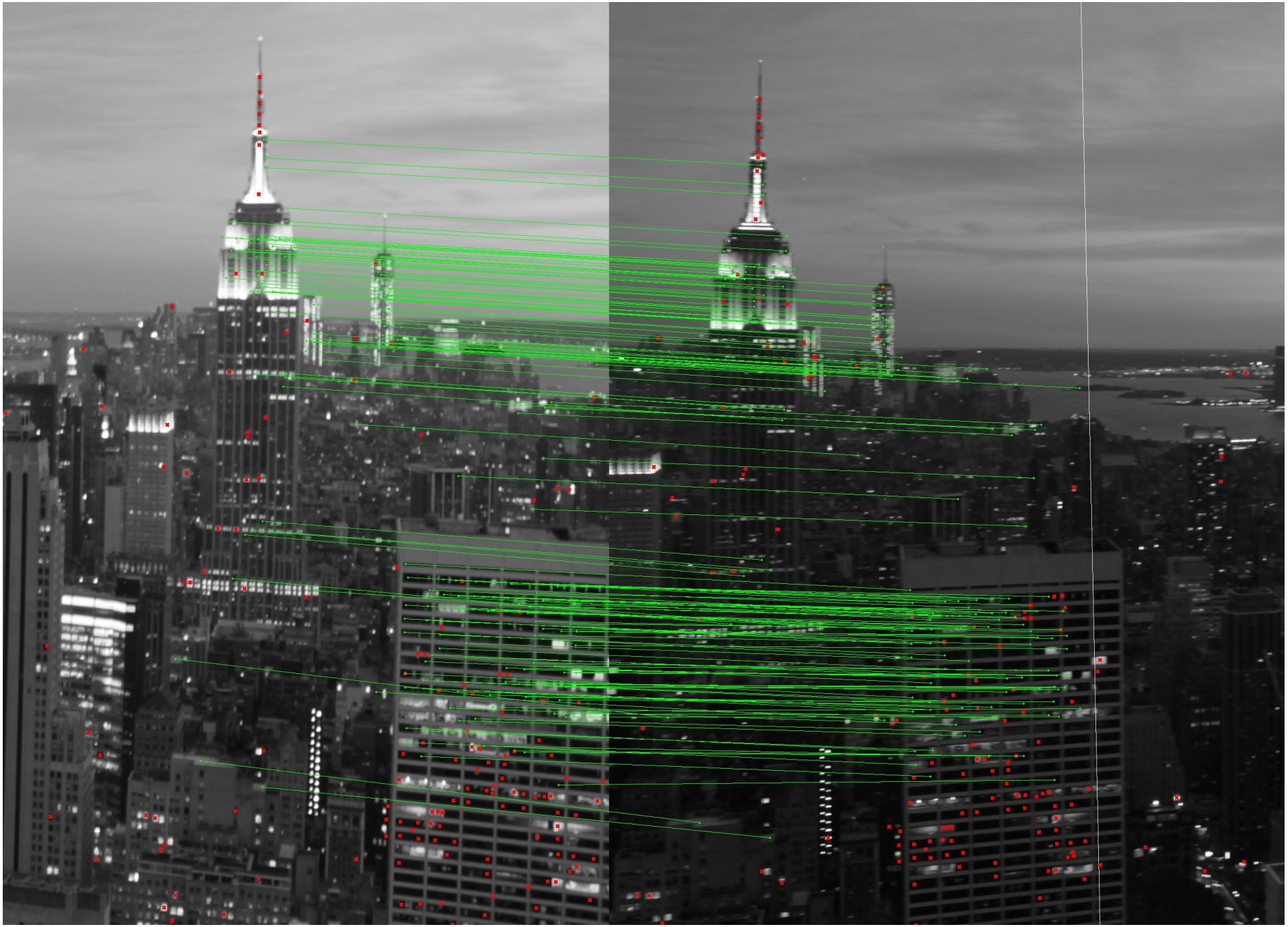
# Scale Invariance

# Rotation Invariance

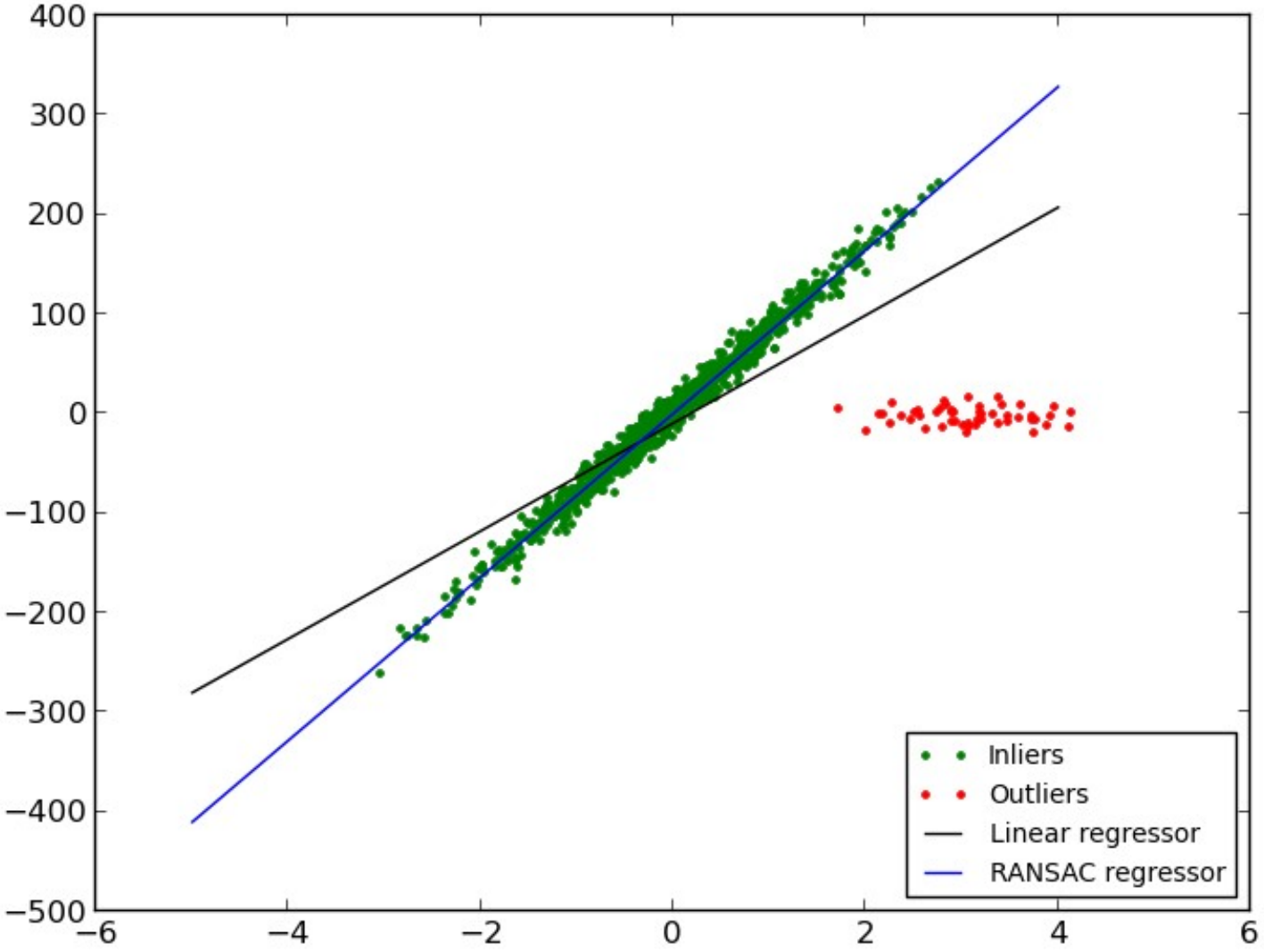
# Partially robust to affine transformation

# Features matching: Fast Linear Approximate Nearest Neighbours (Flann)





# Outliers discarding: Random Samples Consensus (RANSAC)


400
300
200
100
0
−100
−200
−300
−400
−500
−6
−4
−2
0
2
4
6
Inliers
Outliers
Linear regressor
RANSAC regressor

# Blending

# ...for building panorama pictures

# Enjoy!