

rainymotion

OpenCV

Shi-Tomasi corner detector
cv2.goodFeaturesToTrack()

Lukas-Kanade (sparse) optical flow
cv2.calcOpticalFlowPyrLK()

Optical flow methods
cv2.optflow.createOptFlow_DIS()
cv2.optflow.createOptFlow_DeepFlow()
cv2.optflow.createOptFlow_PCAFlow()
cv2.optflow.createOptFlow_Farneback()
cv2.optflow.createVariationalFlowRefinement()

scikit-image

Affine transformation
skimage.transform.AffineTransform()

Warp
skimage.transform.warp()

scikit-learn

Linear regression
sklearn.linear_model.LinearRegression()

Polynomial features creation
sklearn.preprocessing.PolynomialFeatures()

scipy

Linear interpolation
scipy.interpolate.griddata()

numpy

Basic matrix manipulation
numpy.concatenate(), *numpy.min()* etc.

wradlib

Inverse distance weighting interpolation
wradlib.ipol.Idw()