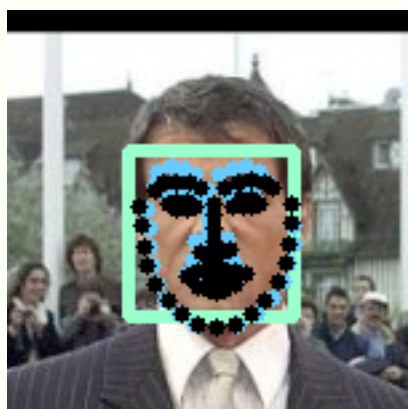


Input Image

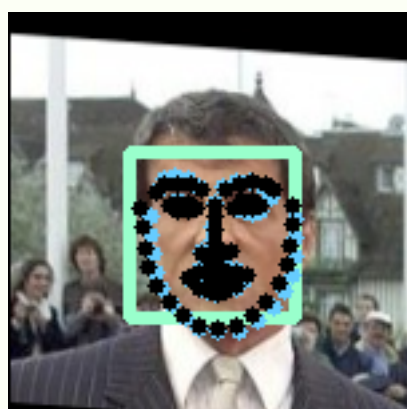


Detect



Green: Detector bounding box
Black: Mean fiducial points
Blue: Detected fiducial points

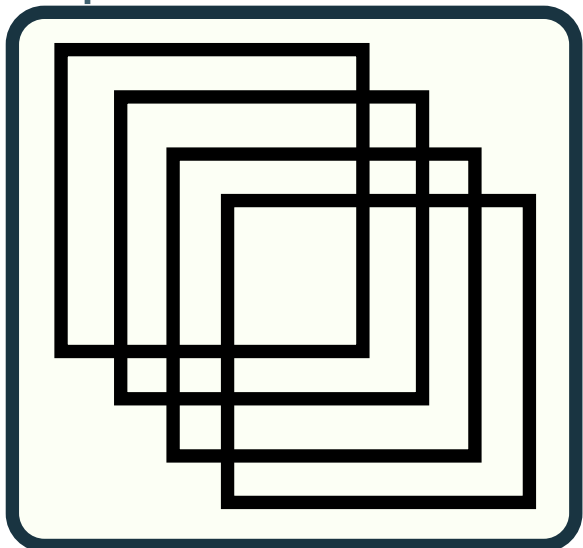
Transform



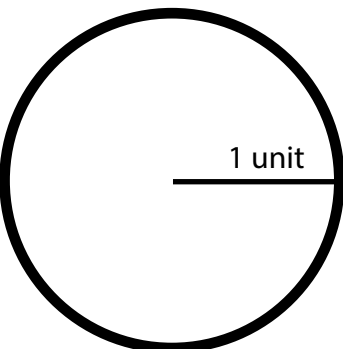
Crop



Deep Neural Network



Representation



128D unit hypersphere

Clustering

Similarity Detection

Classification