

Drawing

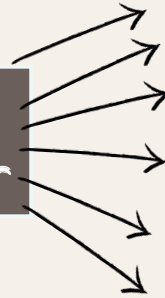
YOLO Model

Class

Confidence Score



Shape
Classifier



Straight Lines

0.01

Circles

0.9

Ellipses

0.5

Regular

Polygon

0.01

Rectangles

0.7

Star Shapes

0.02

Confidence Score

0.01

0.9

0.5

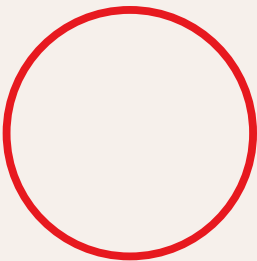
0.01

0.7

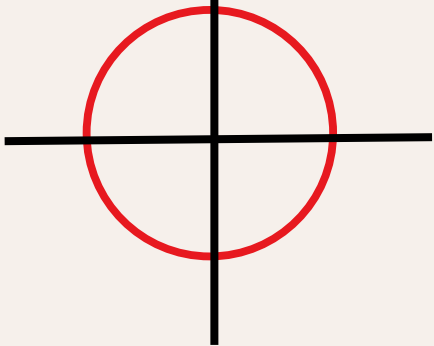
0.02



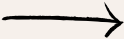
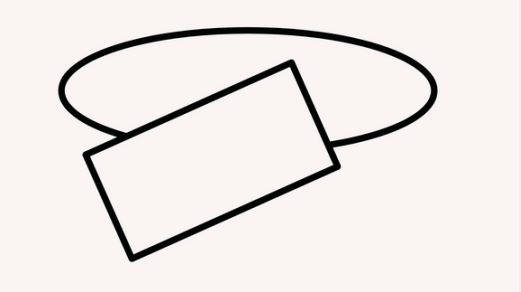
Regularization



Symmetry Detection

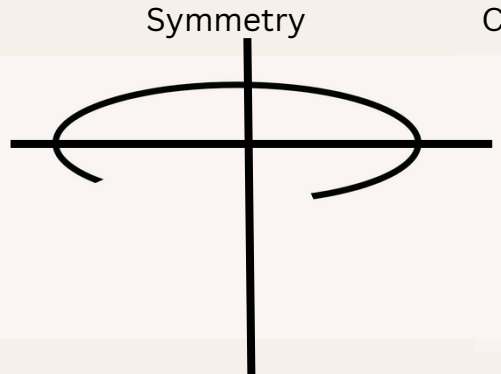


Completion of Incomplete Curves



Pipeline

Shape Detection
Model
+
Shape
Regularization
+
Symmetry
Detection



Completed Output

