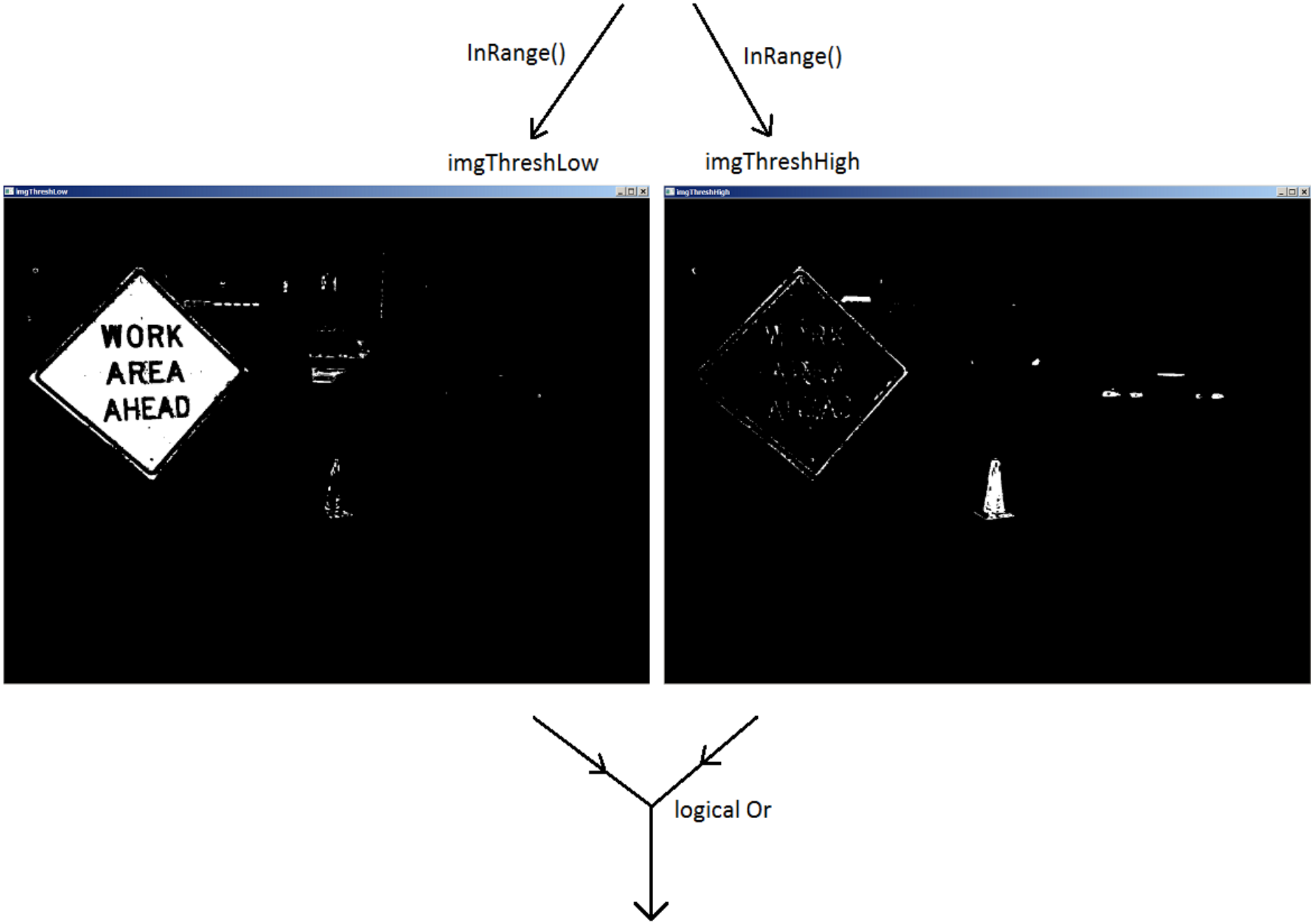
Steps With Images

imgOriginal

Convert() to HSV

imgHSV


InRange()
InRange()
imgThreshLow
imgThreshHigh
imgThreshLow
WORK
AREA
AHEAD
imgThreshHigh
logical Or

imgThresh

Erode()

Dilate()

SmoothGaussian()

imgThreshSmoothed

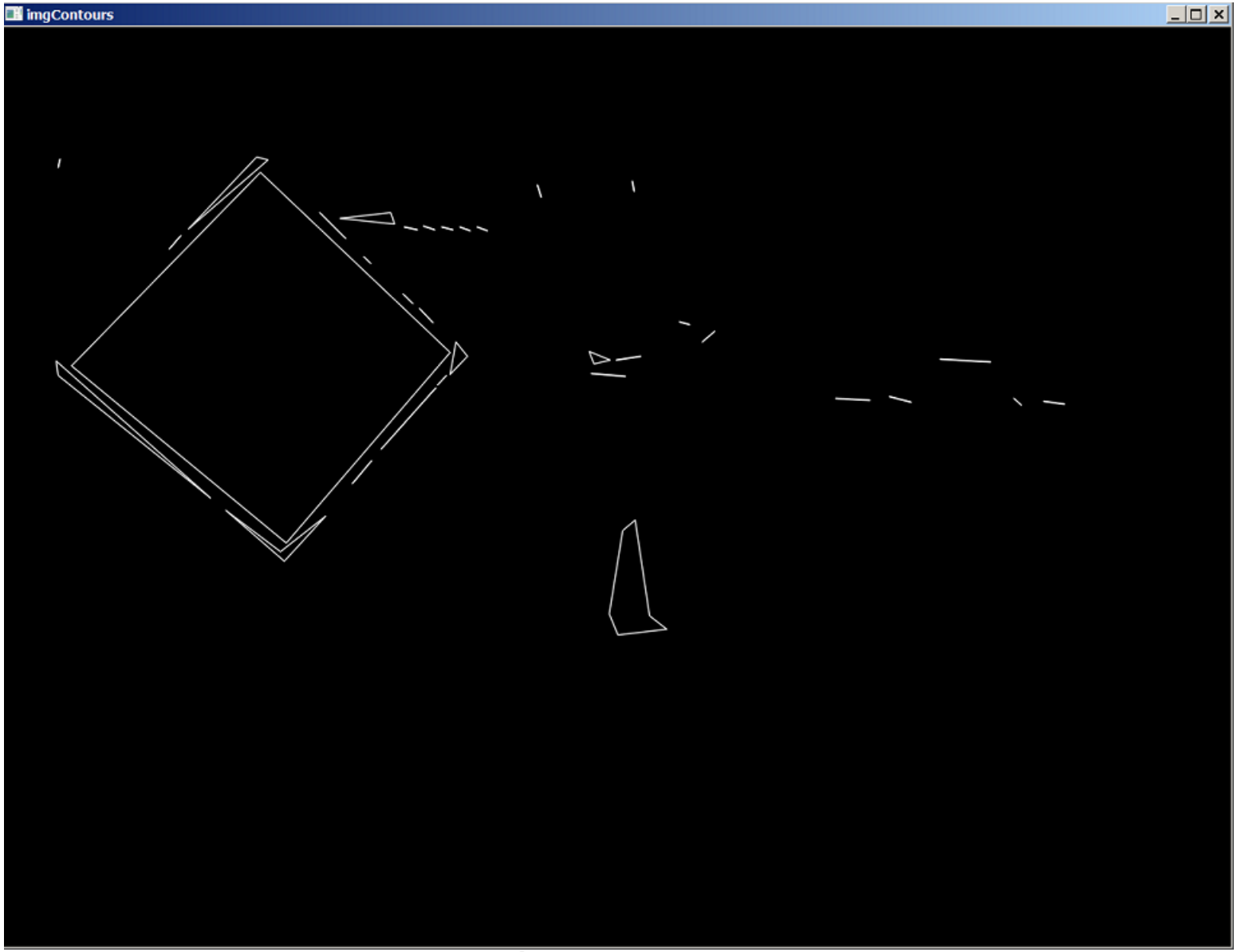
Canny()

imgCanny

FindContours()

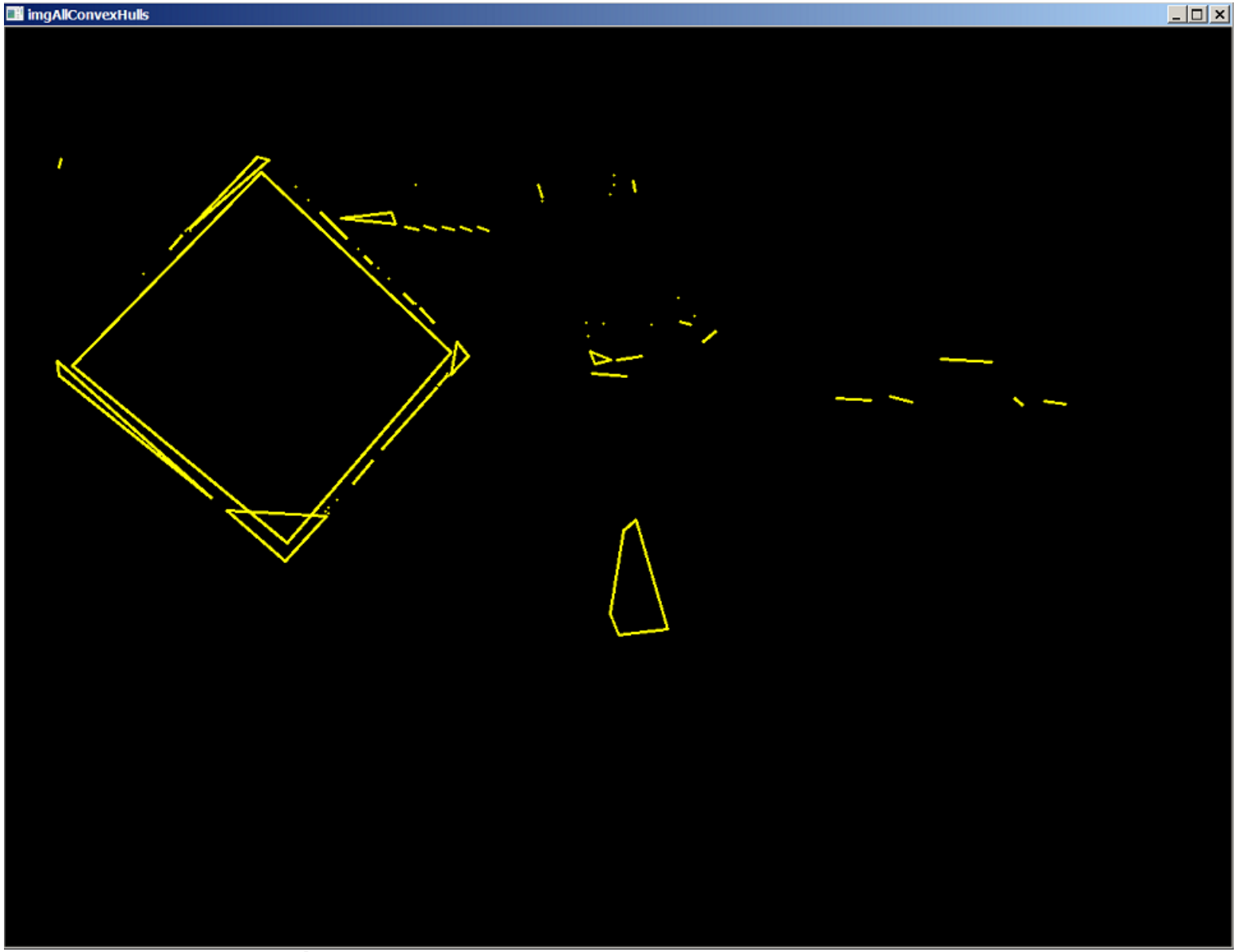
ApproxPoly()

imgContours



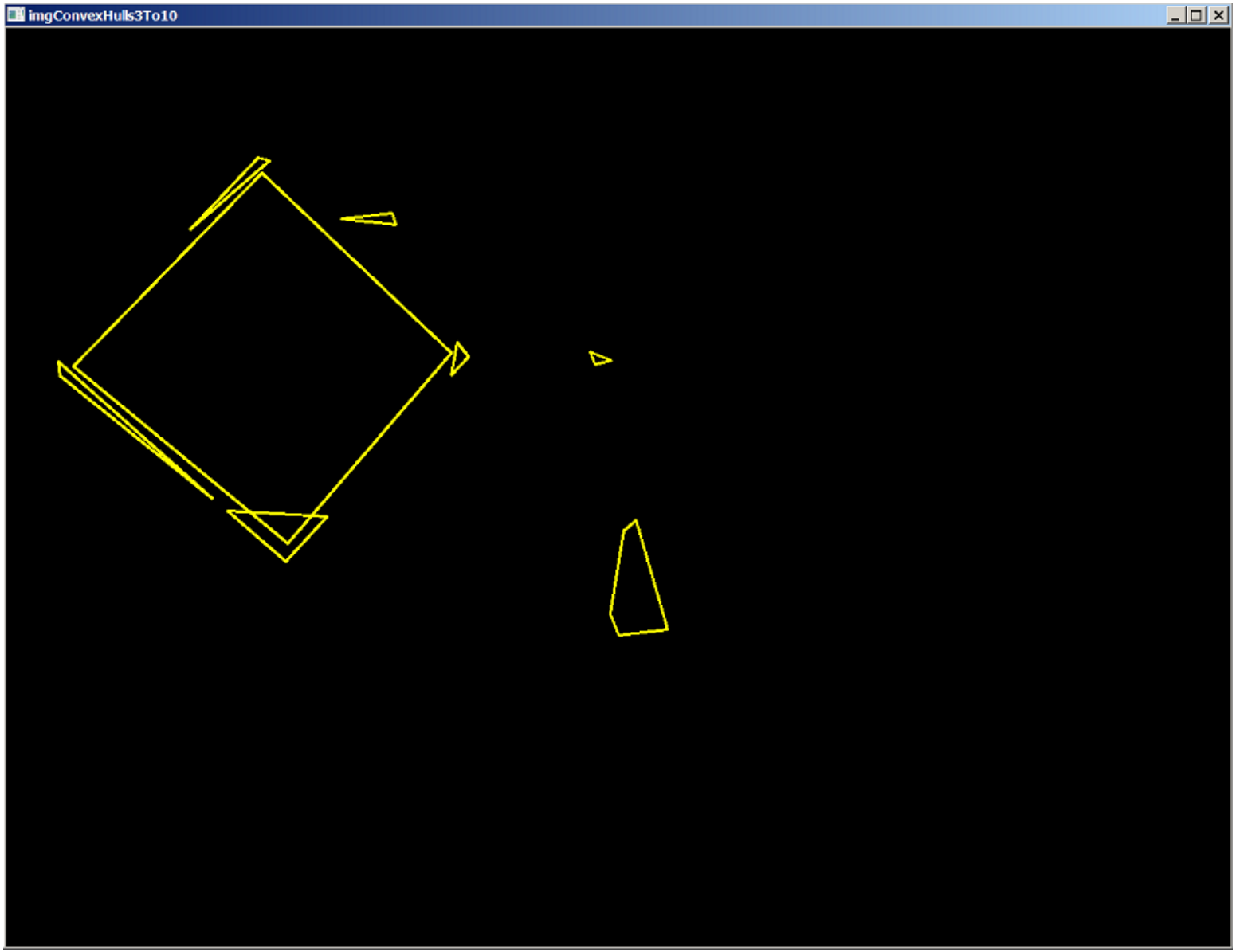
GetConvexHull()

imgAllConvexHulls



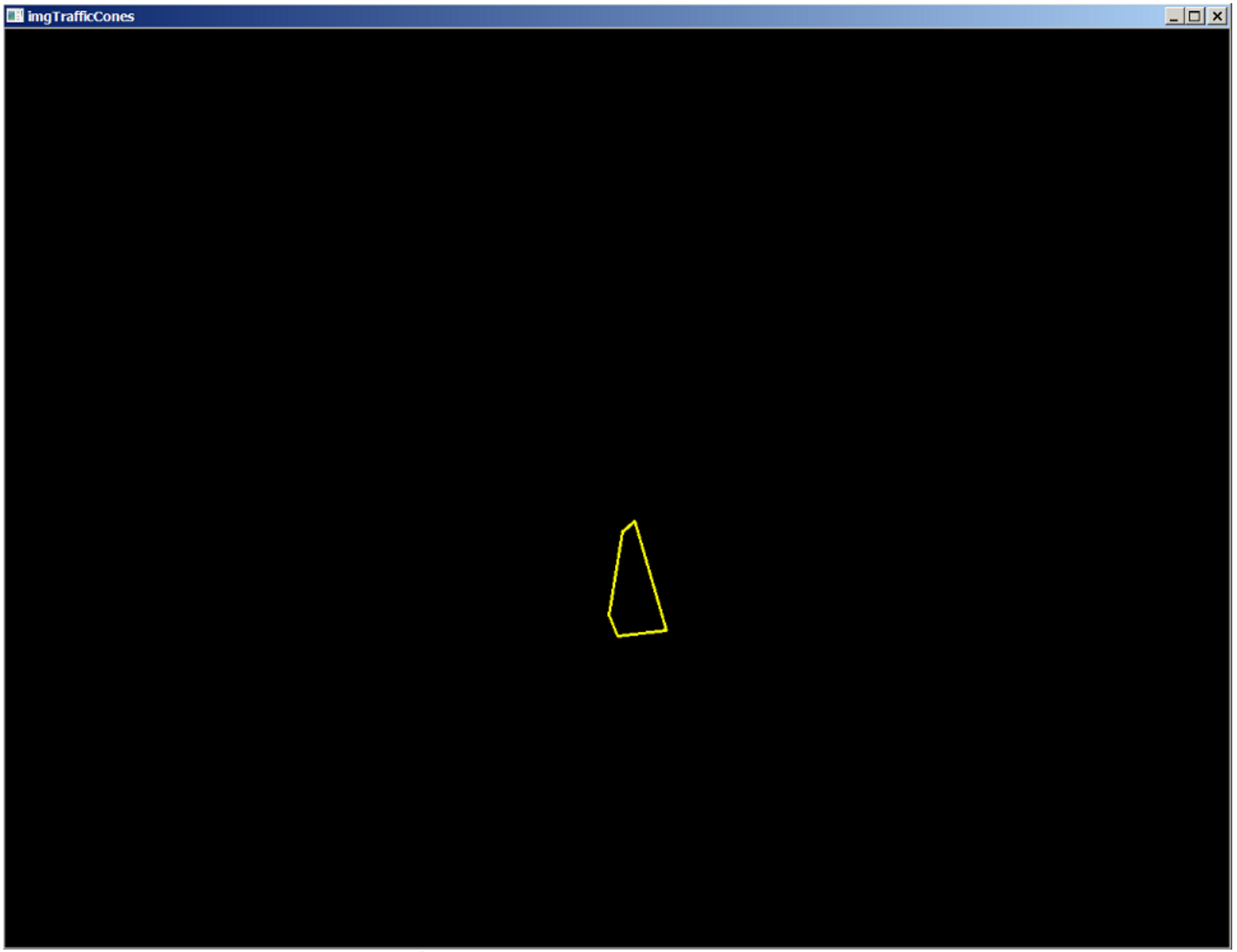
If (convexHull.Total >= 3 And convexHull.Total <= 10)

imgConvexHulls3To10



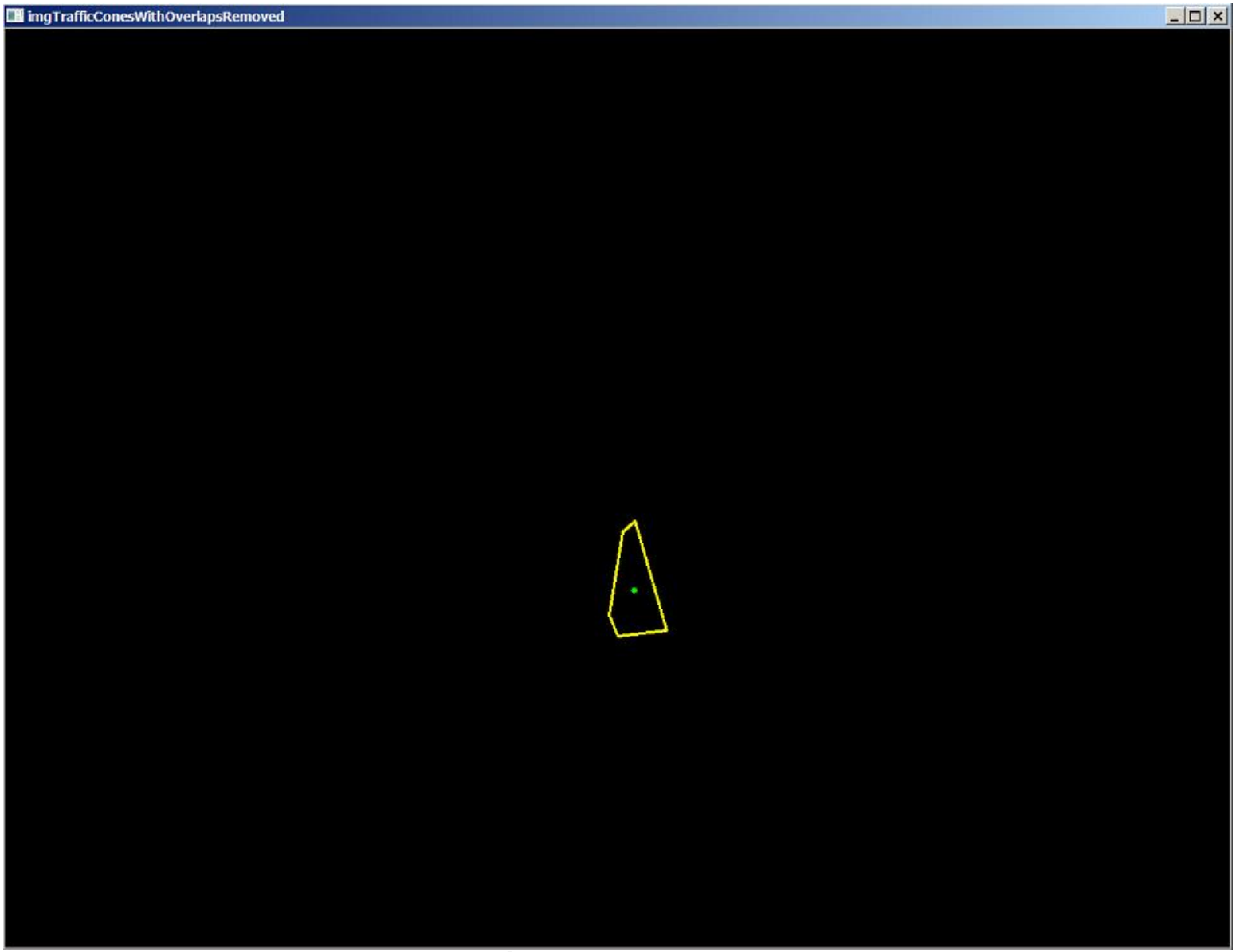
If (convexHullIsPointingUp(convexHull))

imgTrafficCones



removeInnerOverlappingCones()

imgTrafficConesWithOverlapsRemoved



update main form

Form1
Open File
C:\OpenCV_pics\traffic_cones\1.jpg
Show Steps
WORK
AREA
AHEAD
POLICE
T33
---
1 traffic cone was found