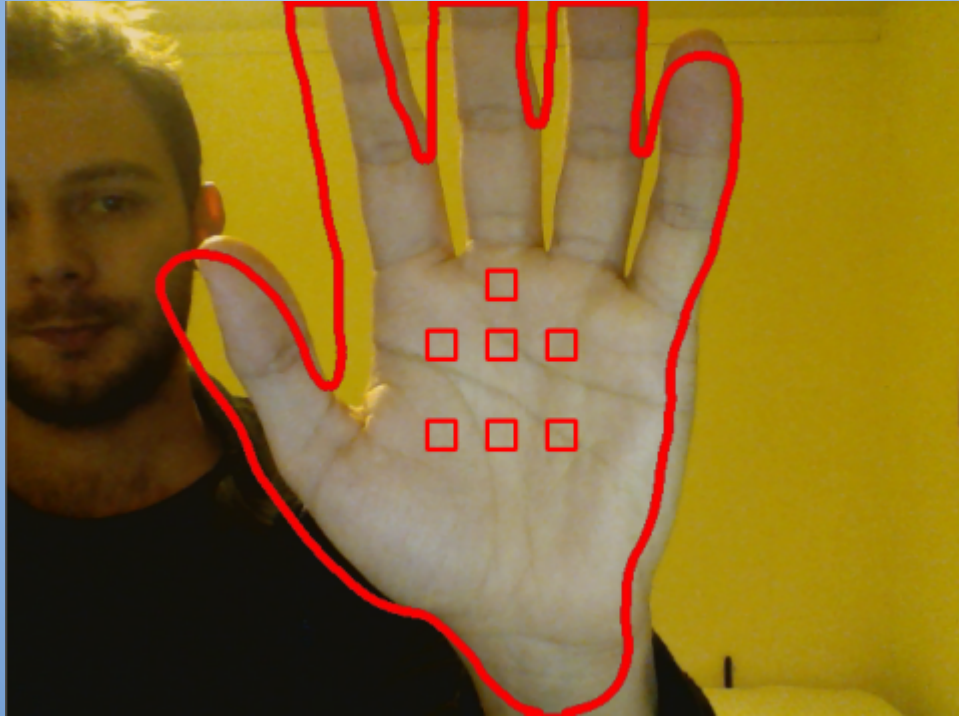


Hand Tracking

using a webcam and OpenCV

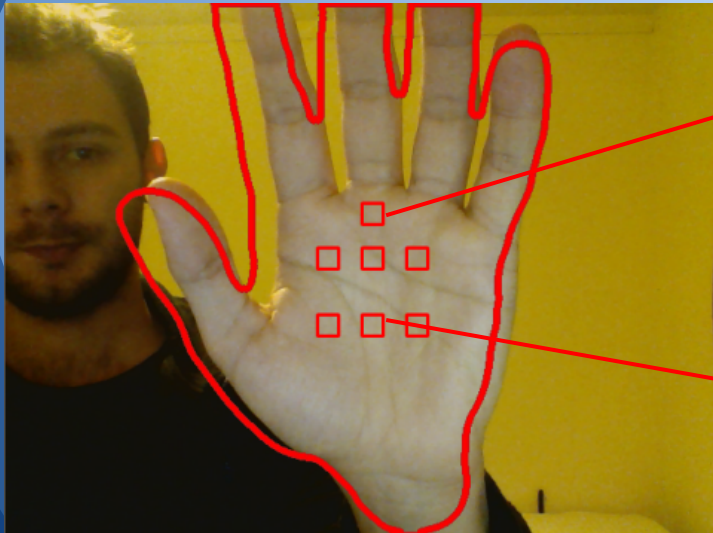
Skin color sampling

Take image where the hand position is known



Skin color sampling

For N different position of the hand, calculate max and min values of pixels within a small square

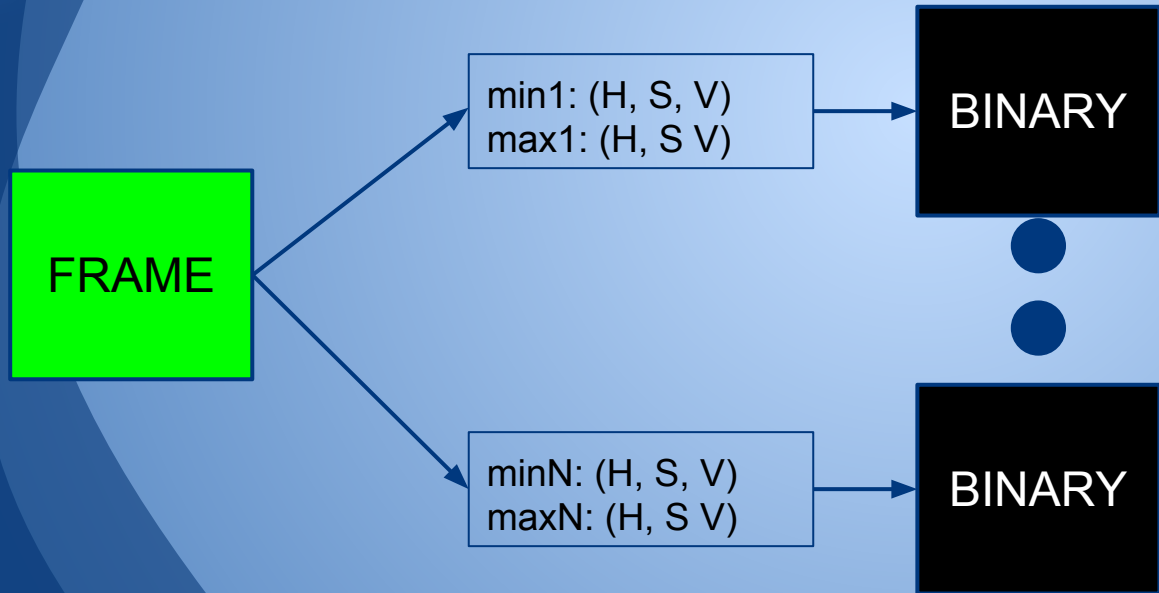


min1: (H, S, V)
max1: (H, S V)

min2: (H, S, V)
max2: (H, S V)

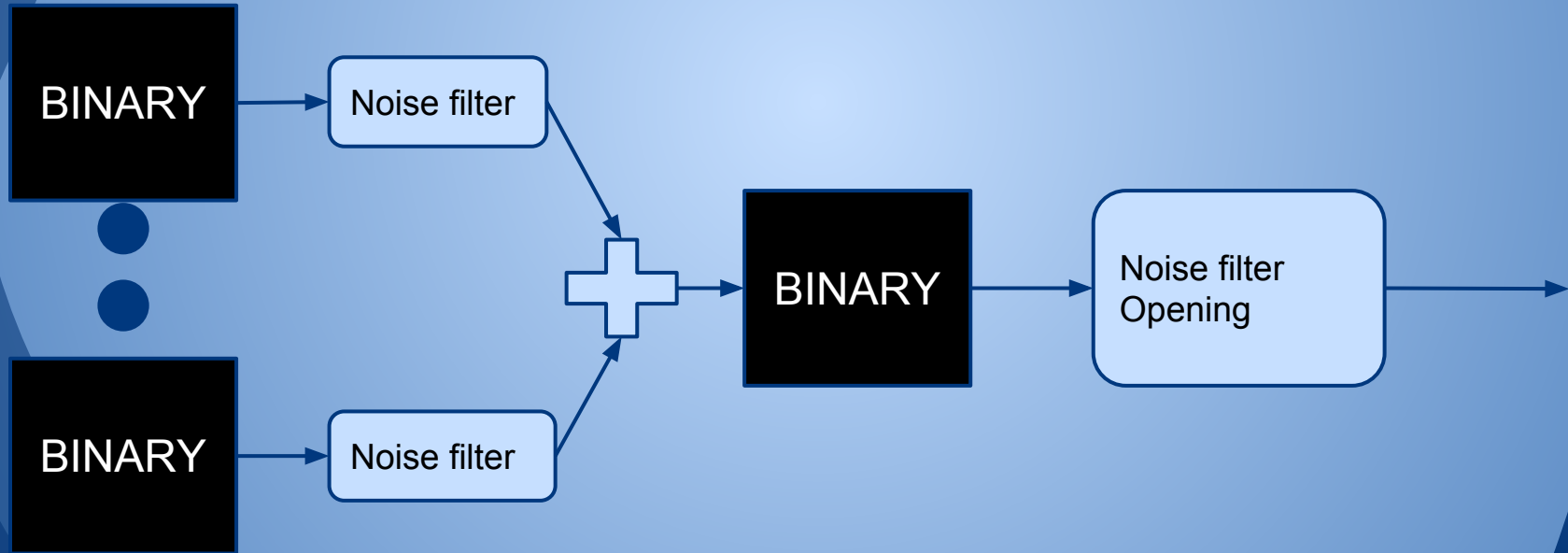
Frame elaboration - segmentation

Create N binary images by thresholding the input frame using the N different min-max samples



Frame elaboration - segmentation

Combine the binaries together



Frame elaboration - segmentation

Connected component is used to find the biggest contour



Draw contour

