AMERICAN UNIVERSITY OF ARMENIA

*College of Science and Engineering*

**CS 260 Image Processing**

**PROJECT**

**PRELIMINARY DEADLINE**: Sunday, December 08 2019, before 09:00 am SHARP

**FINAL DEADLINE**: Tuesday, December 17 2019, before 09:00 am SHARP

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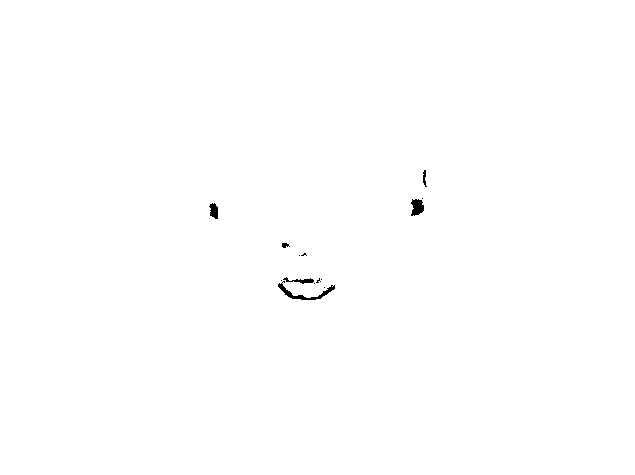
**Stage 1**

1. Multiple experiments on the pictures with Standard Behavior showed that smoothness can be achieved by applying the following filter sequence:

Median (Radius 1.0) 🡪 Gaussian Blur (Radius 0.5) 🡪 Mean (Radius 0.7).

Example of smoothened layers:

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1. Using the following matrix in Convolve, gave very similar results to the ones obtained in point1.

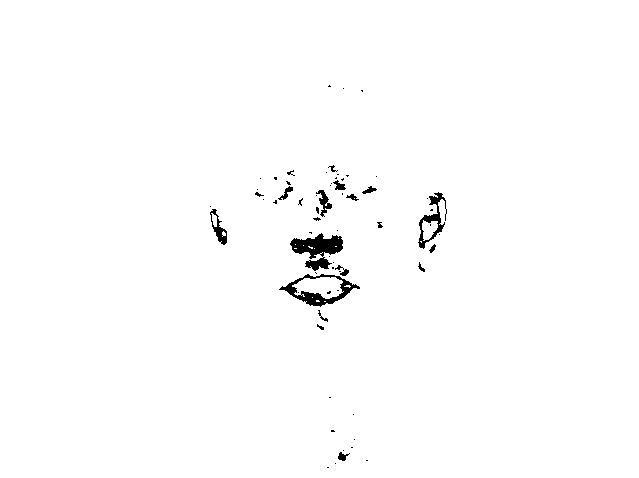
30 30 30

30 90 30

30 30 30

Example of smoothened layers:

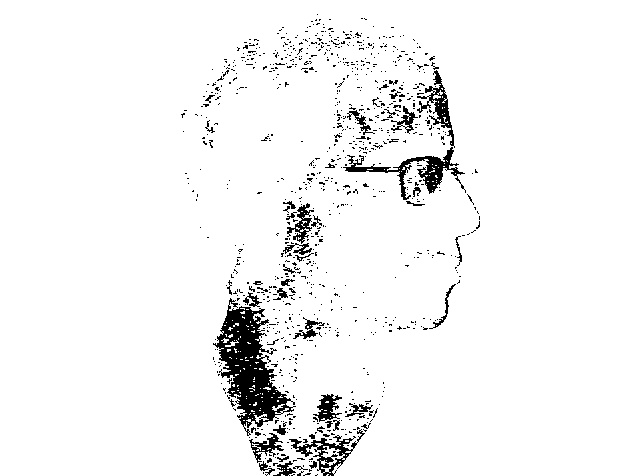
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1. For the following task, some visual observations have been made. In addition, a plugin was created for the calculation of Orientation and Eccentricity (Stage0 🡪 A09…93 folder path). It needs some correction.

Some parallels:

Layer0

8\_11 8\_4 8\_10  

Layer1

8\_11 8\_4 8\_10

Layer2

44\_11 44\_4 44\_10

Layer3

44\_11 44\_4 44\_10

