CS 260 Image Processing PROJECT

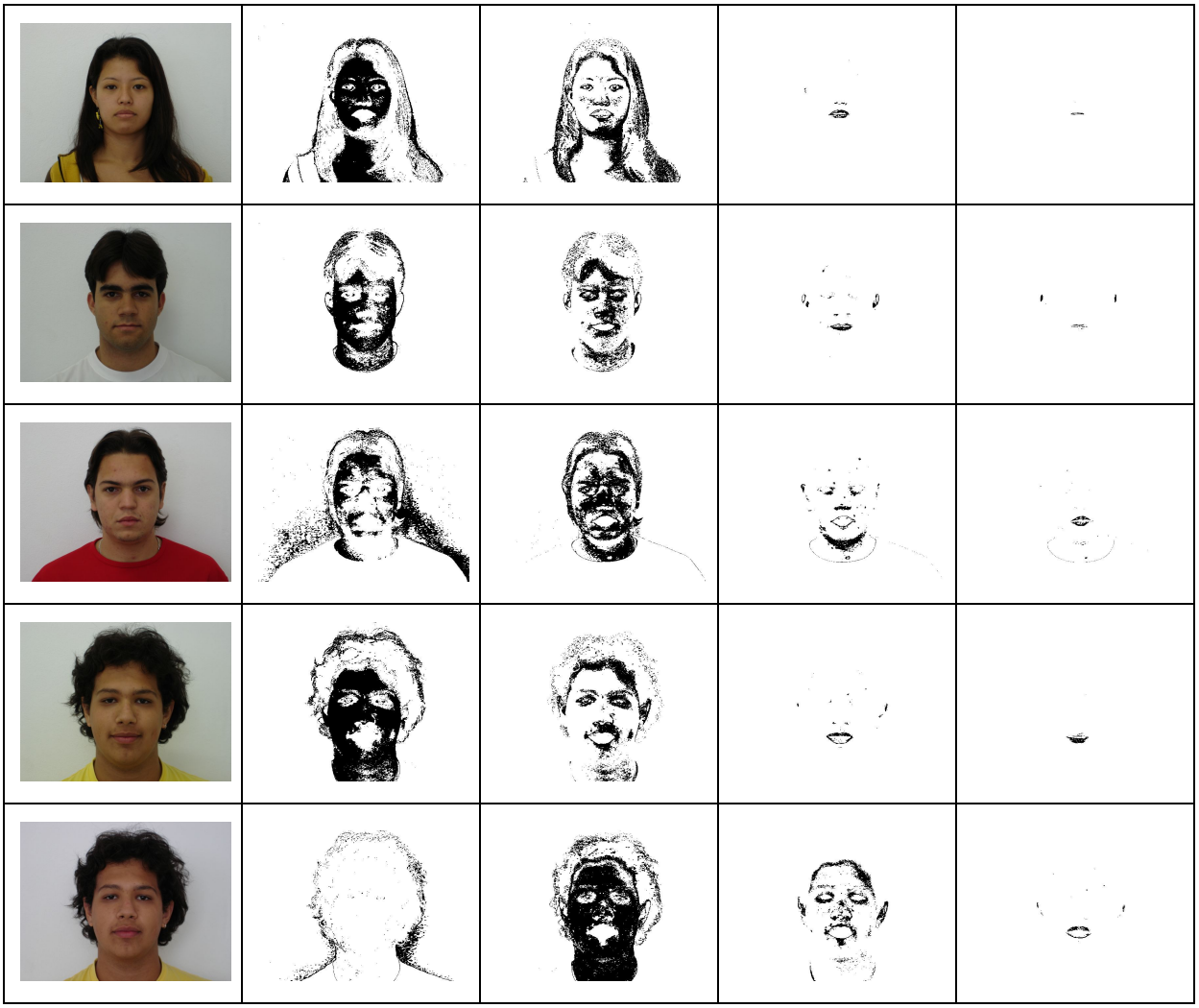
AMERICAN UNIVERSITY OF ARMENIA

College of Science and Engineering

Grigoryan Maro

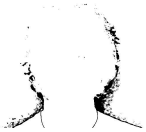
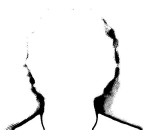
08.12.2019

Stage 1



As f01 should select pixels mainly concentrated along the face bounds, I consider only the 3rd photo as a representative of the standard behaviour from x_11.jpg set. I have also selected 42_14.jpg as a good representative for the standard behaviour.

Stage 1 _ Results

	Median - Radius 3				
	Median - Radius 5				
	Mean - Radius 3				
	Mean - Radius 5				
	Gaussian - Radius 3				
	Gaussian - Radius 5				
	Median - 5 Gaussian - 5				

Further experiments: Applying smoothing filters after binary layer extraction.

Minimum filter - after Radius - 3 Layer - 1	
Median filter - after Radius - 3 Layer - 1	
Gaussian filter - after Radius - 3 Layer - 1	
Maximum filter - after Radius - 3 Layer - 1	
Minimum filter - after Radius - 3 Layer - 2	

Minimum filter - after Radius - 3 Layer - 3	
Median filter - after Radius - 3 Layer - 3	
Median filter - after Radius - 3 Layer - 2