

# Lip Detection



## Inputs

- Image Files.
- Tracking points.
- Functionality
  - Detect outer lip contour and extract parameters.
- Outputs
  - Matlab mat files.
  - For each video: Area of lip, Length of major / minor axis , eccentricity for each frame arranged in tables.

	Area	Major Axis	Minor Axis	Eccentricity
Frame 1				
Frame 2				
....				



# Blink Detection

## Inputs

- Image Files.
- Tracking points.
- Functionality
  - Detect blinking.
- Outputs
  - Matlab mat files.
  - For each video: Array containing 1 if frame is a blink frame otherwise 0.

	Frame 1	Frame 2	Frame 3	Frame 4	Frame 5	.....
Blinking	0	0	0	1	1	0