

*EE368 Project*

# Face Detection In Color Images

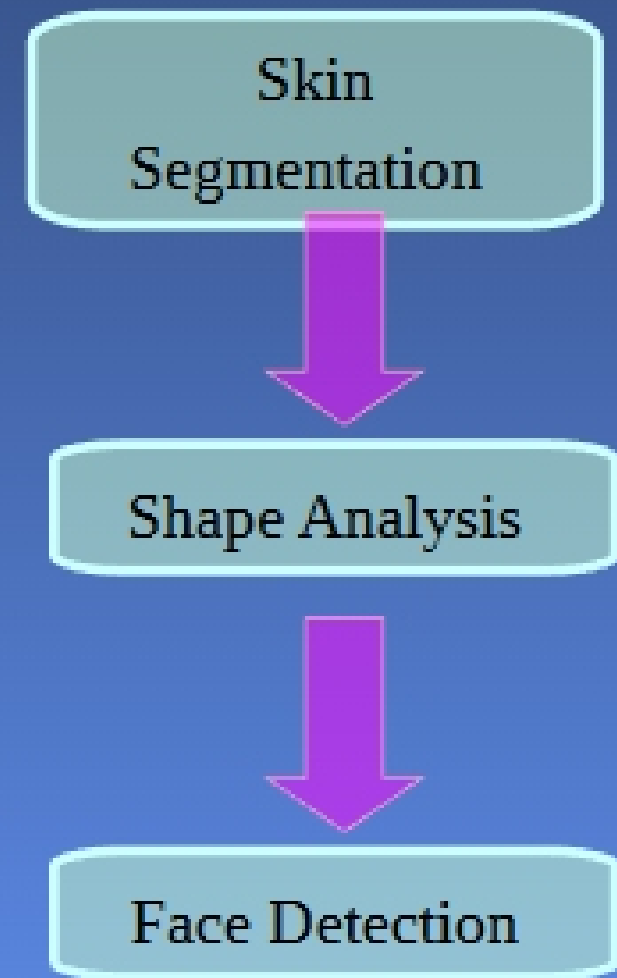
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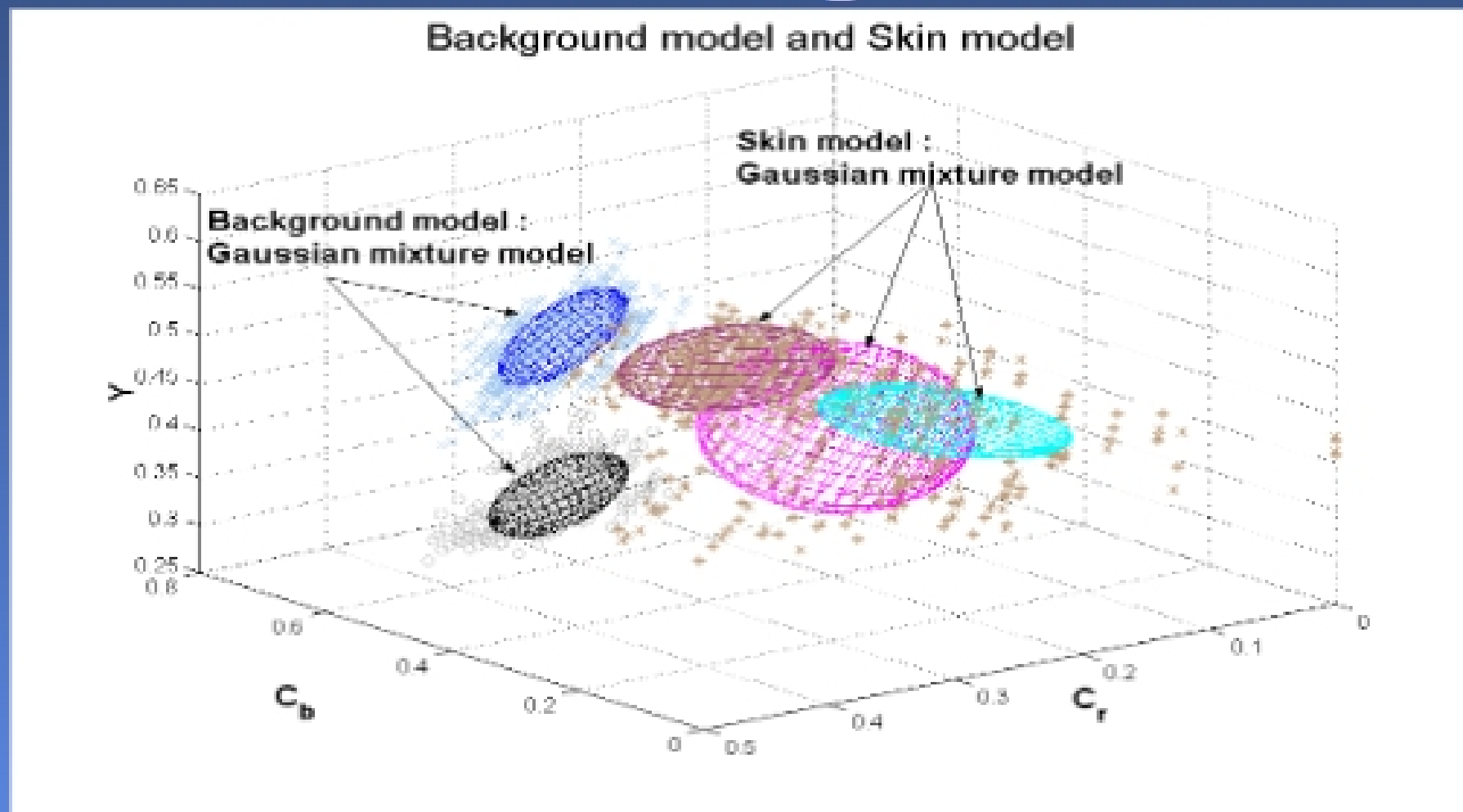
**Group 3**

## *EE368 Project*

- Overview
- Human Skin Segmentation
- Adaptive Shape Analysis
- View-based Face Detection
- Results



# Human Skin Segmentation



- Use  $YCbCr$  color space for good cluster separation
- Model the skin and background color distributions with GMM
- Segmentation by maximum likelihood classification