



生物特征识别和应用 (Biometrics and Applications)

承担国家863项目1项，指导的1篇博士论文获上海市优秀博士论文，发表30多篇SCI检索论文，其中2篇IEEE Trans 论文，1篇论文被评为PRLTop cited Article 2005-2010. 授权发明专利6项，转让1项。

1. 人脸识别 (Face Recognition)

1.1 人脸检测(Face detection)

bayesian network

Semi-supervised learning

1.2 三维人脸识别(3D Face Recognition)

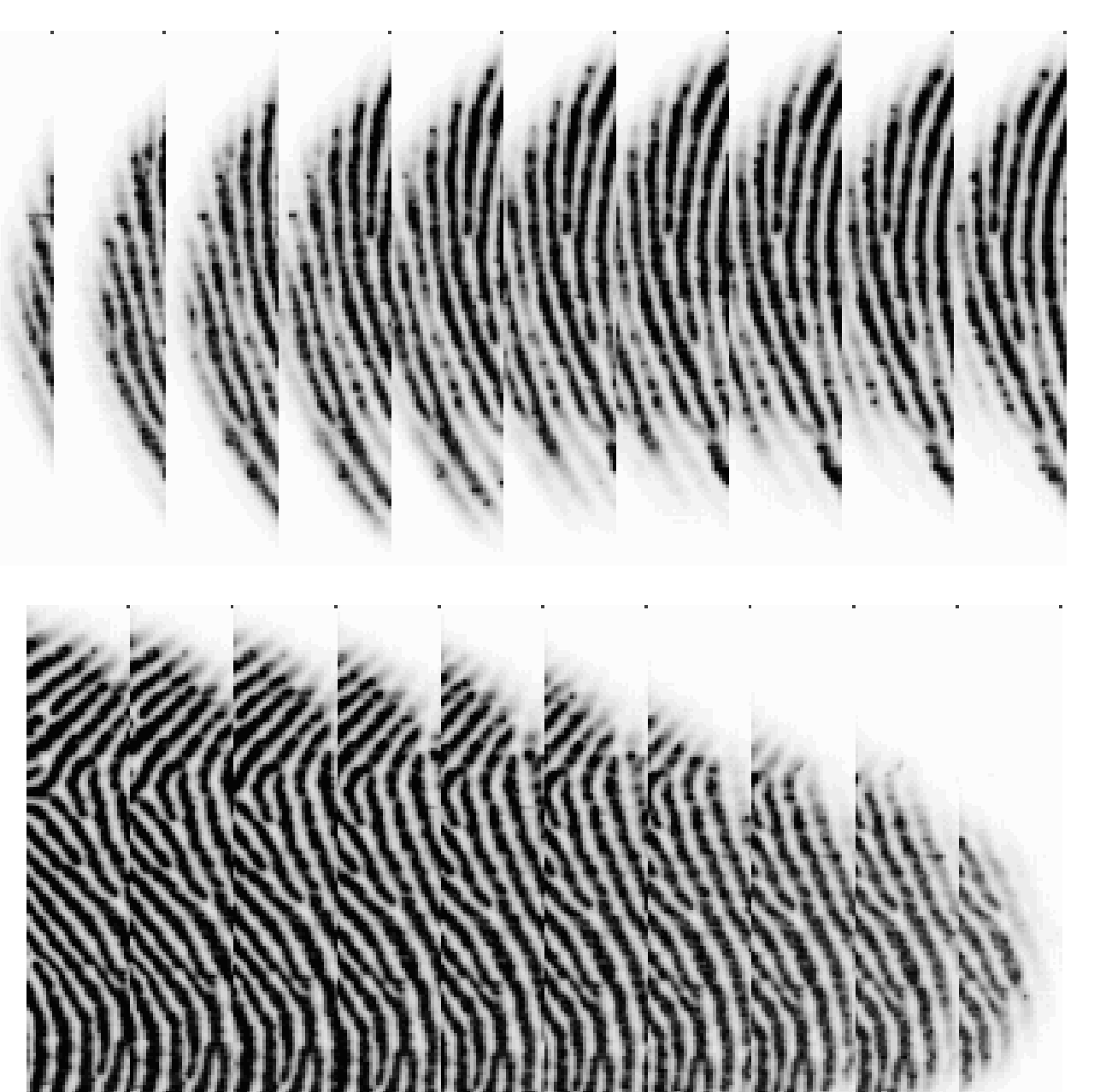
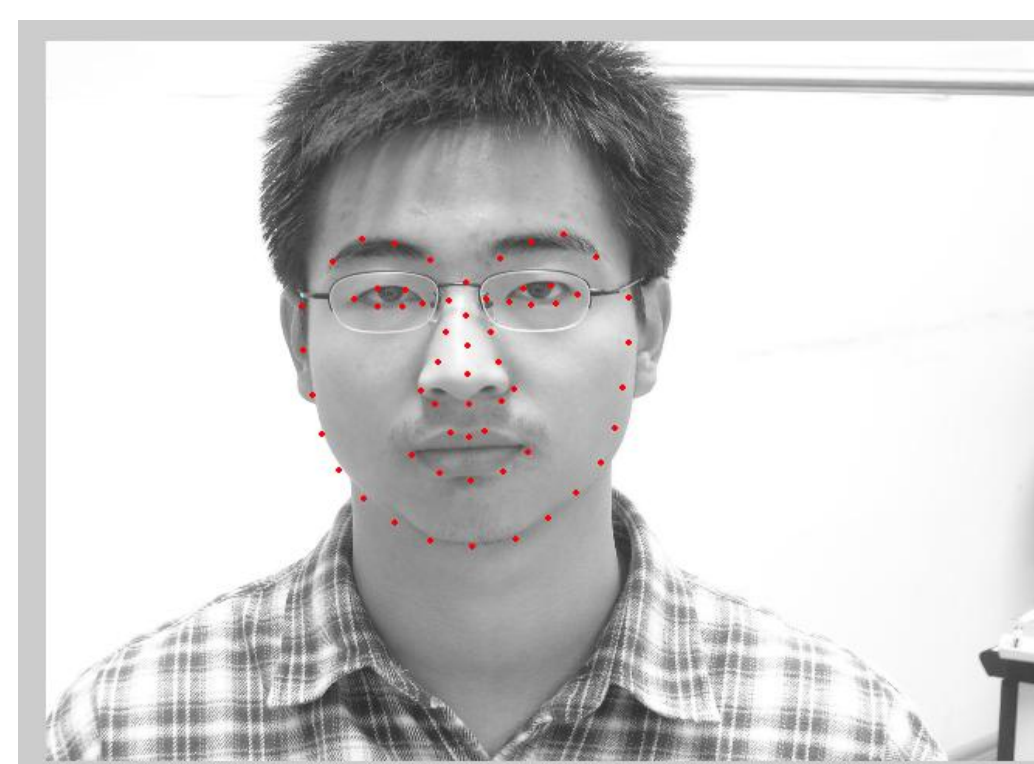
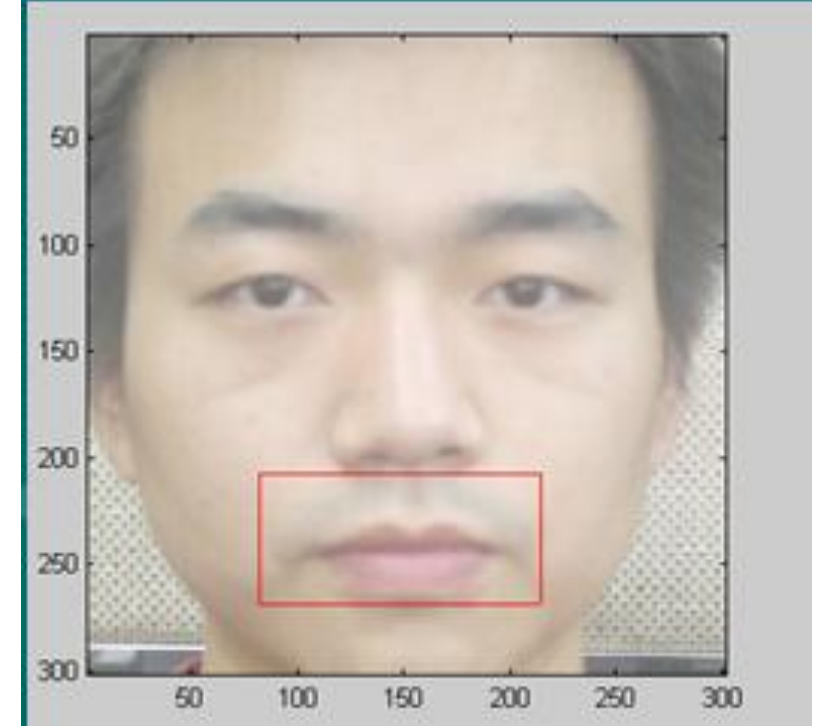
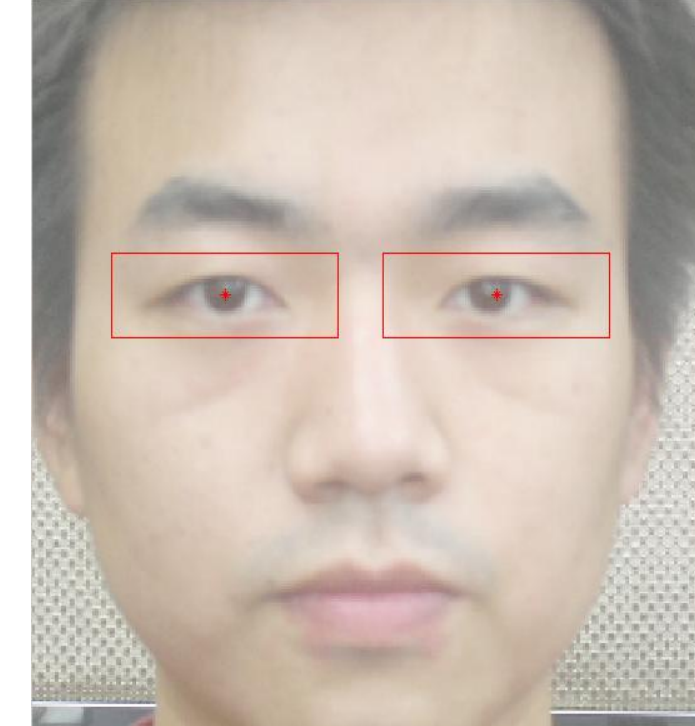
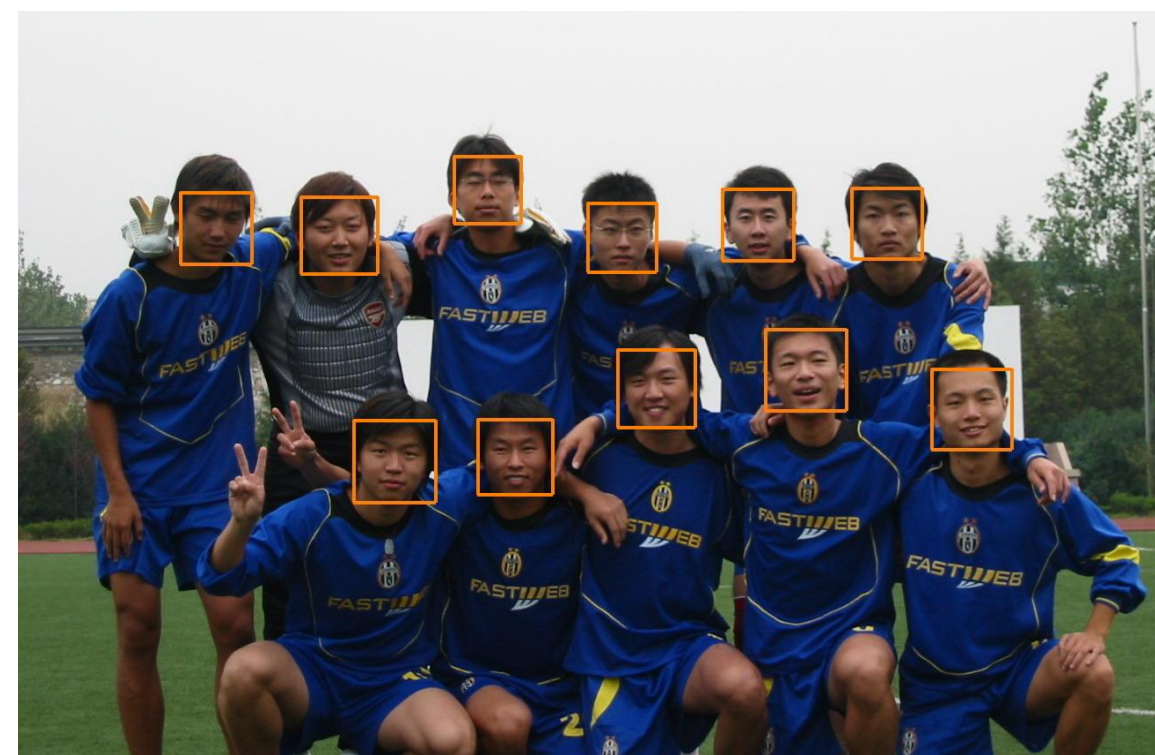
1.3 人脸特征点提取 (Feature points detection)

眼睛和眼角检测(Eye detection)

嘴和嘴角检测(Mouth detection)

Active shape models

Bayesian shape model



2. 基于滑动指纹的指纹识别(Recognition for Swipe Fingerprint)

2.1 滑动指纹拼接(mosaicing of swipe fingerprint images)

3. 步态识别 (Gait recognition)

Gait Energy Image (GEI) as gait representation

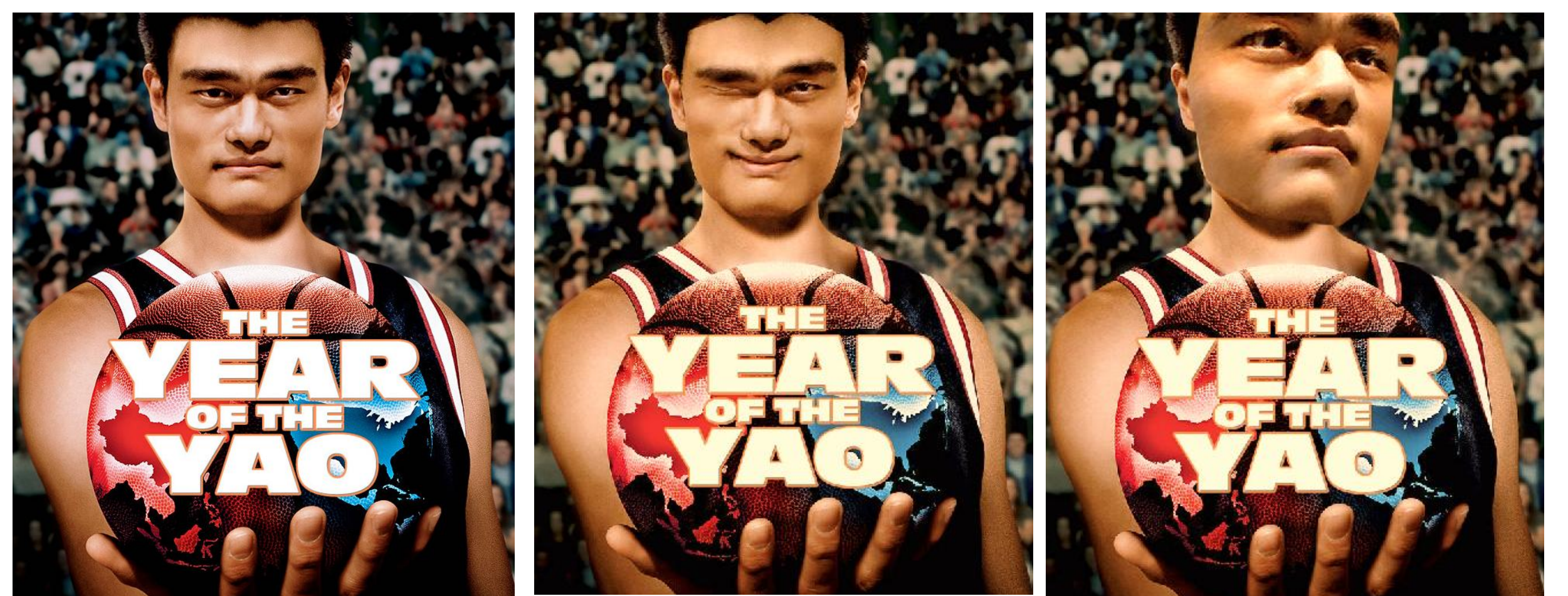
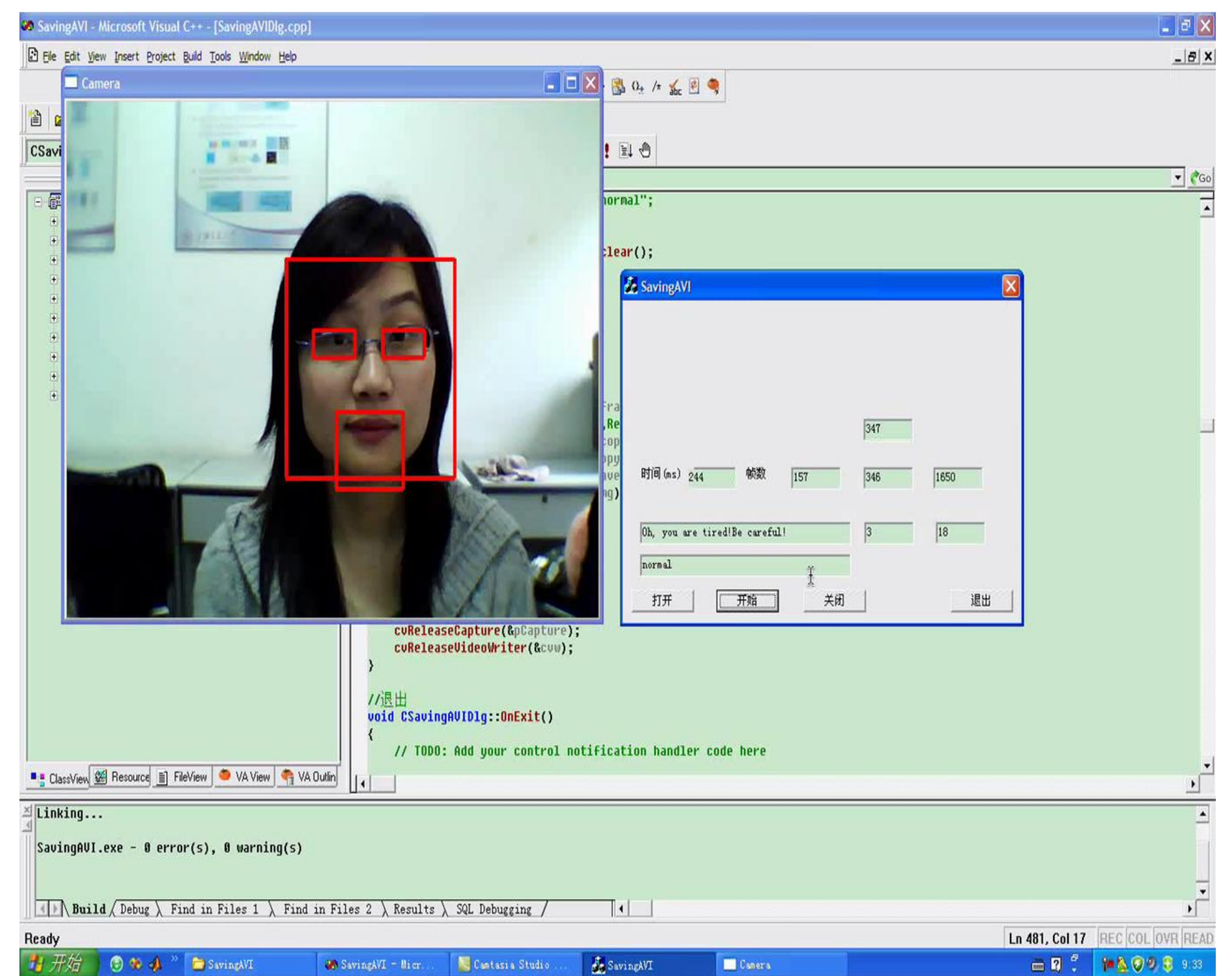
Gabor wavelet kernel

4. 基于人眼和嘴巴的定位和特征分析的疲劳驾驶检测

(Detection of tiredness of drivers)

5. 基于单幅正面人脸图像的三维人脸重建

(3D face reconstruction based on one front face image)



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