

## 8.13 周报

### 1、本双周完成事宜：

U-net 网络做人脸关键点回归

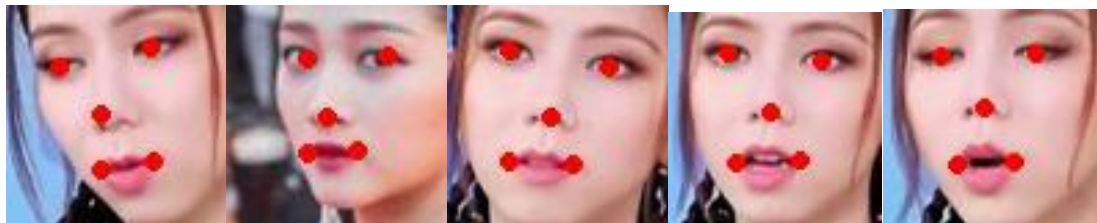
直接回归法效果很差，heatmap 热力图方法：

主要流程：用精灵标记助手标记 生成.xml 文件；解析.xml 文件生成  
关键点.txt 文件;搭建 U-net;将网络输出与 label 输出 loss，优化。

Train:

```
Run: train
179-2-train_loss:0.0031016103457659483
179-3-train_loss:0.002273104852065444
179-4-train_loss:0.0035847246101219816
179-5-train_loss:0.0026566616725176573
179-6-train_loss:0.001954801147803664
179-7-train_loss:0.00277744084596634
179-8-train_loss:0.0007309878128580749
179-9-train_loss:0.0024278461933135986
180-0-train_loss:0.0017635384574532509
180-1-train_loss:0.0028502377681434155
180-2-train_loss:0.00177139725163579
180-3-train_loss:0.003521975028334689
180-4-train_loss:0.0010039058979400668
180-5-train_loss:0.005382992792874575
180-6-train_loss:0.002925014588981867
180-7-train_loss:0.007476971484720707
180-8-train_loss:0.003266868880018592
180-9-train_loss:0.014228924177587032
save successfully
181-0-train_loss:0.01766235940158367
181-1-train_loss:0.007290740497410297
```

test result:



### 2、下周计划事宜：

2.1 阅读论文 1~2 篇；

2.2 卫星相关的关键点检测