

Weekly Report

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Period: 2018.9.23-9.30

Abstract—This week I mainly put my effort on dealing with the SAR image of Shang Hai and writing project application plan.

I. SAR CONTEST

THIS week I processed images labeled by junior students before and tested with basic semantic segmentation nets.

- The SAR images of Shang Hai city have lower resolution than those in the SAR contest, and the background is more complex than those in contest. The category of things in the images of SAR contest is less than images of Shang Hai and the boundry of the former is clearer than the latter.
- I tried RefineNet, and the F1 score is about 55%. To write papers based on this, I need to improve the accuracy and compare it with those traditional algorithms.

Fig. 1 is the optical image. Fig. 2 is the SAR image. Fig. 3 is the ground truth. Fig. 4 is the predicted image.

II. PROJECT PLAN

ABOUT the project plan, with the arrangement of Guo Wei, I'm in charge of the research goal, content and key problems.

- Since research goal and research content are pointed out in the guidance file, I add corresponding content according to the files written by Yu Huai.
- We need to finish the file before Oct, 9th. Then we would adjust the content with the opinions of Prof. Yang and hand in this.



Fig. 1: Optical image



Fig. 2: SAR image



Fig. 3: Ground truth

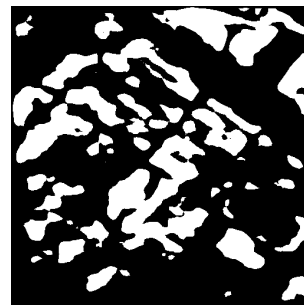


Fig. 4: Output image