

Guided Proofreading of Automatic Segmentations for Connectomics

Thank you for your constructive comments. We will fix all minor issues. We would like to clarify the following major remarks.

1. Quantitative Evaluation

Reviewer 2 requests an objective quantitative evaluation. We define such experiments in line 573-590 and report the results in Fig. 6, Fig. 7 and line 792-818 (also in supplemental Sec. 2 and 3). The evaluation is fully numeric and we report VI scores. We will change the wording in the manuscript to make this more clear.

2. Reproducibility

Reviewer 2 expresses concerns regarding reproducibility. However, we define all parameters in the manuscript and promise to release code and data (line 847).

3. Optimal Parameters

Reviewer 2

4. Training Data Sets U-net vs. GP

Reviewer 3 raises the question if GP was trained on the same data as membrane detection (U-net). There was no overlap in training the classifiers (Tab. 1).

Table 1: Training data of membrane detection vs. training data of GP (for supplemental material).

Dataset	Training Set	
	Membrane Detection (U-Net)	Guided Proofreading
<i>L. Cylinder</i>	AC3+AC4 (1024 × 1024 × 175vx)	L. Cylinder (2048 × 2048 × 250vx)
<i>AC4 subvolume</i>	AC4 excl. test (1024 × 1024 × 90vx)	L. Cylinder (2048 × 2048 × 250vx)
<i>CREMI A/B/C</i>	AC3+AC4 (1024 × 1024 × 175vx)	CREMI A/B/C (1250 × 1250 × 300vx)

5. Faster Correction Times

There seems to be a misunderstanding

6. Merge Error Detection

7.

References

[1] Authors. The frobnicatable foo filter, 2014. Face and Gesture submission ID 324. Supplied as additional material fg324.pdf.

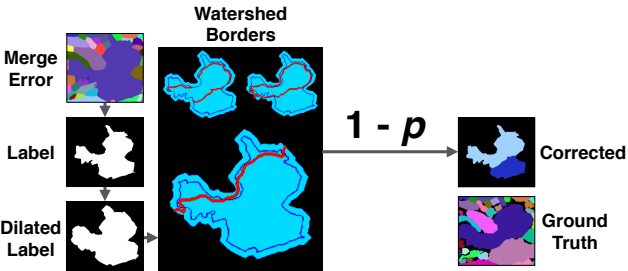


Figure 1: Updated Figure 4. (not yet)