CS 6965 Advanced Data Visualization
Final Project Progress Report

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1   Accomplishments

- Reading a refined OFF file describing a triangulation with the last digit being the function value.

- Calculating the two sets: $U(\alpha)$ and $L(\alpha)$ and finding the violator criticals, non-violator criticals and non-criticals.

- Drawing the triangulation with d3.js and mark violator criticals, non-violator criticals and non-criticals.

- Creating an animation of removing the non-critical simplices to simplify the data.

2   To-dos

- Drawing arrows to denote non-scritical pairs.

- Implementing Algorithm 2, a refined version of Algorithm 1.

- Making comparisons among original data, data simplified by Algorithm 1 and data simplified by Algorithm2.

3   Changes

- No longer considering TTK plugin option for current course project.