

RIDIR Report

Andres Calderon

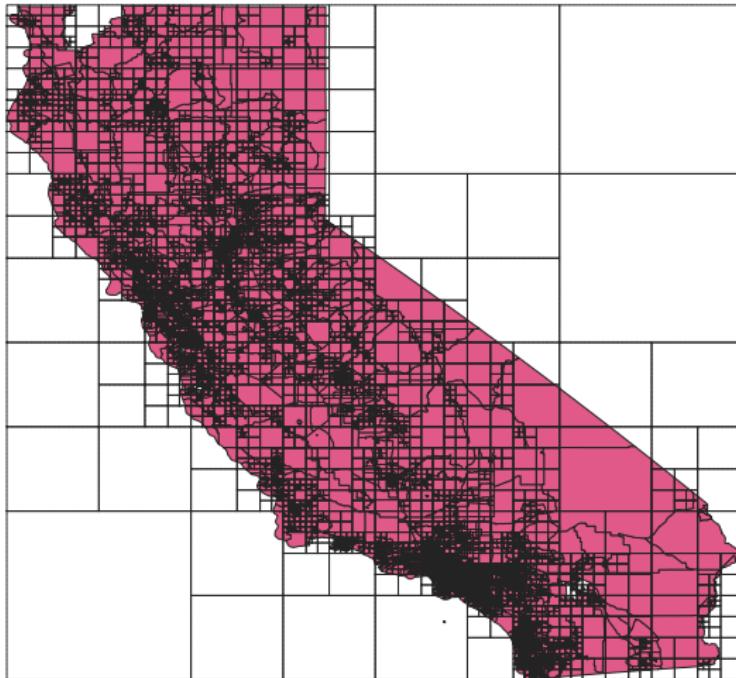
University of California, Riverside

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Some tests with bigger dataset

- ▶ Solving some performance issues with full CA-district polygons dataset. It was not able to finish even using the maximal number of partitions allowed (half of the number of polygons).
- ▶ Fixed by changing the partitions strategy. Now, we extract the points from the polygons and create a partitioner with them. This allows a finer and more balanced grid.
- ▶ Performance improves from 200 seconds using a sample of the dataset to 5.6 seconds using the full dataset.

Test - CA dataset

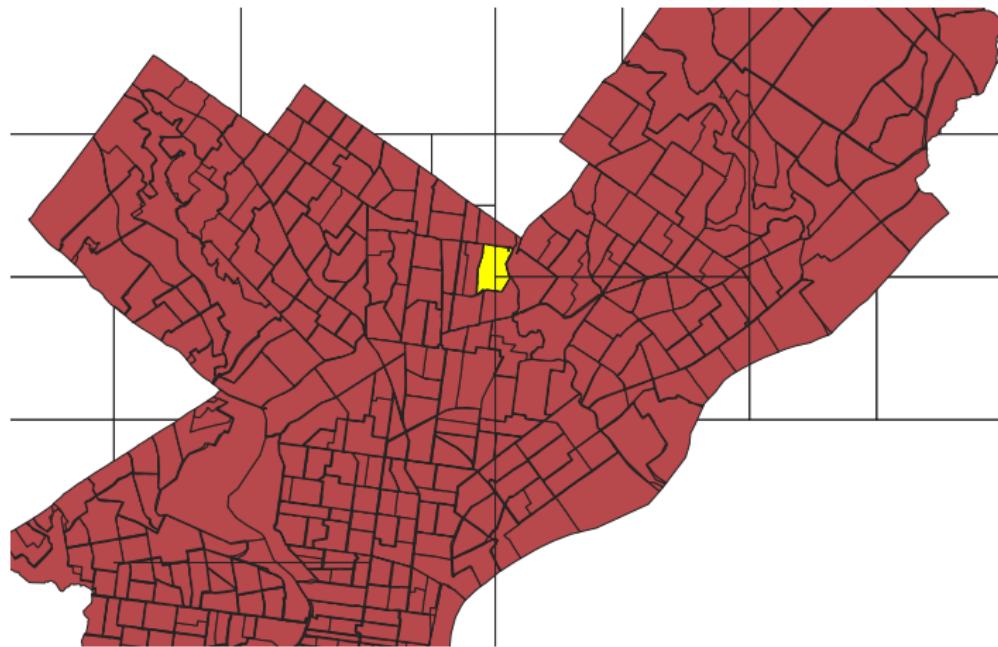


Multipolygons have been removed for now

Integrating the new changes to Merged DCEL

- ▶ I am still working in the integration of the new changes into the code which merges independent DCELS.
- ▶ We are getting the correct number of results but I am dealing with an annoying bug which does not dissolve the polygons parts correctly.

Intersection Test - Phili datasets (2000 vs 2010)



What is next?

- ▶ Fix bug during integration.
- ▶ Check support for multipolygons.
- ▶ Test merged DCEL with CA_district datasets.