

PFLOCK Report

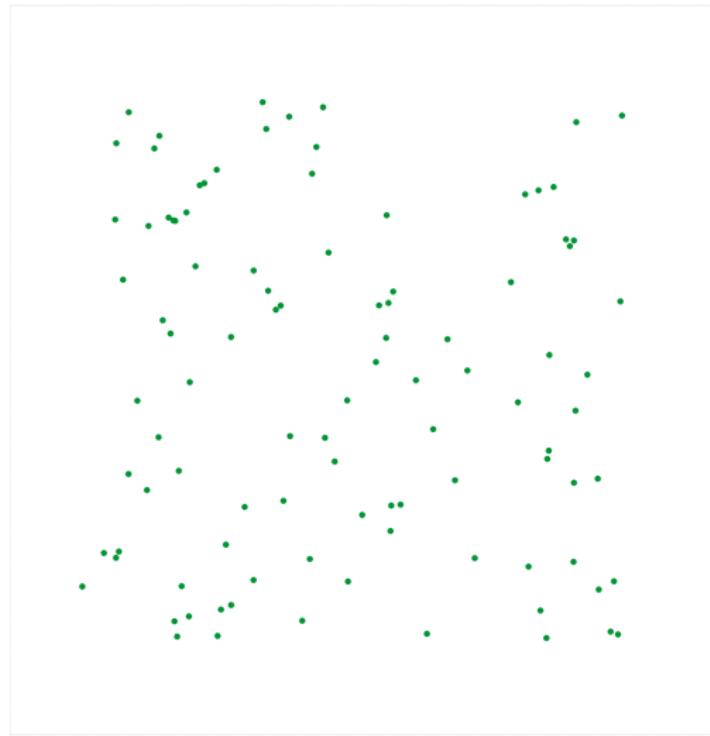
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PSI stages...

Small dense dataset (100 points, $\varepsilon=1$, $\mu=3$)



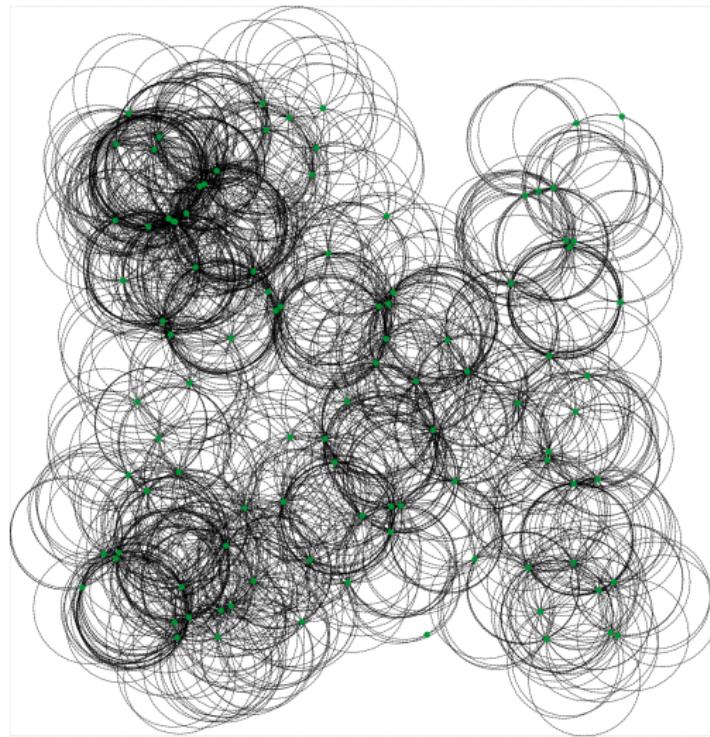
PSI stages...

Finding centres... [1020]



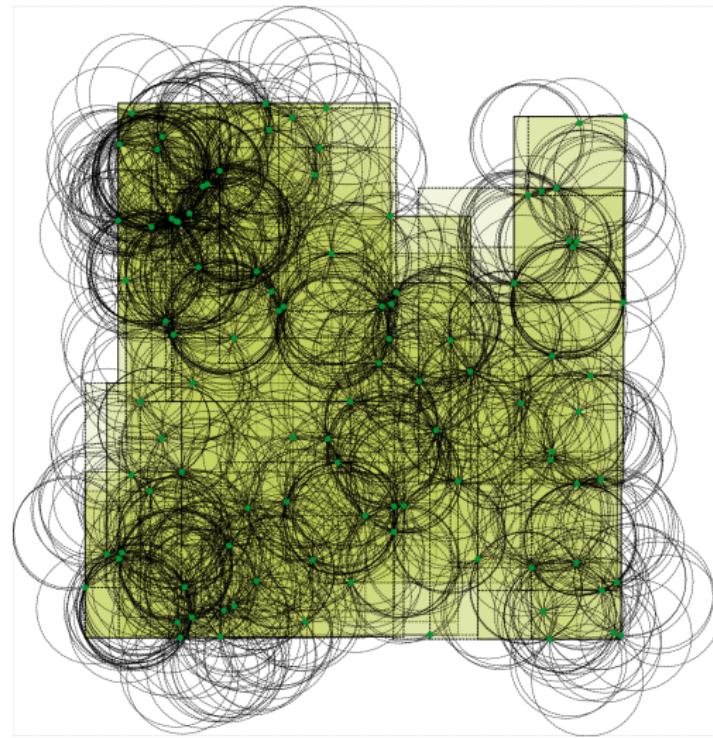
PSI stages...

Finding candidates... [959]



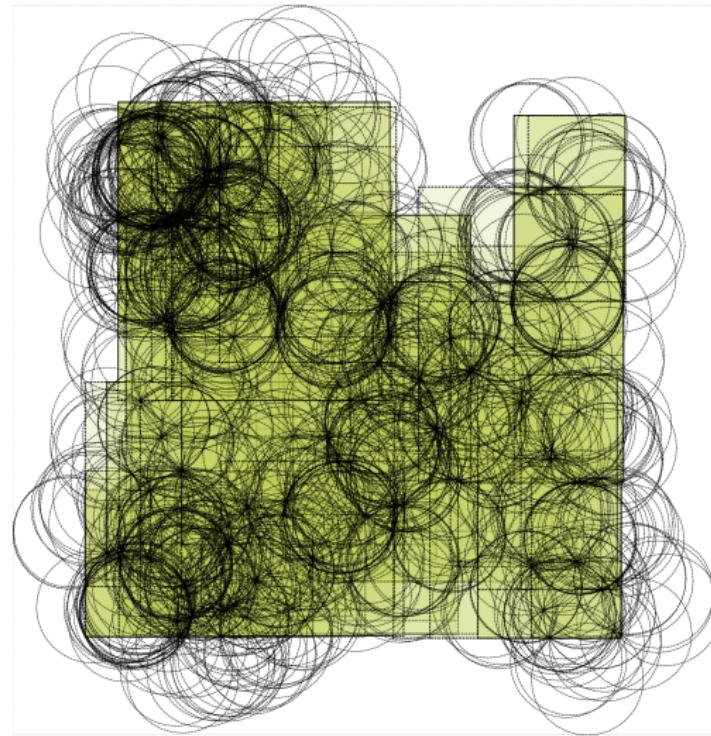
PSI stages...

Finding active boxes... [88]



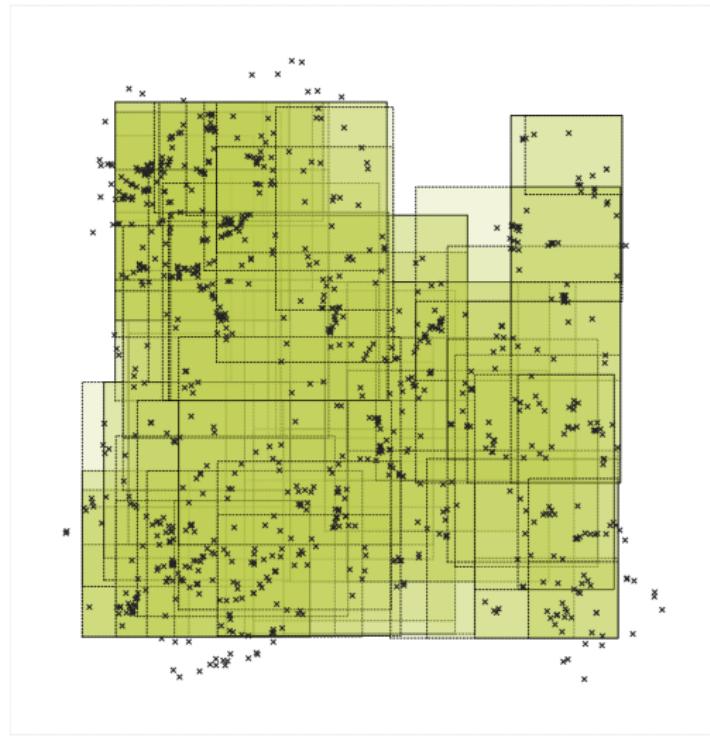
PSI stages...

Updating disks in boxes...



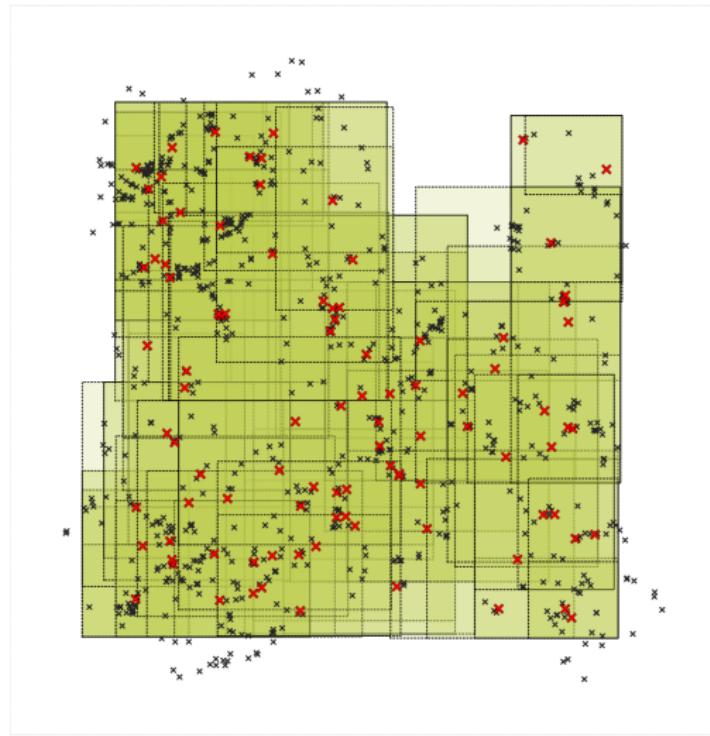
PSI stages...

Updating disks in boxes...



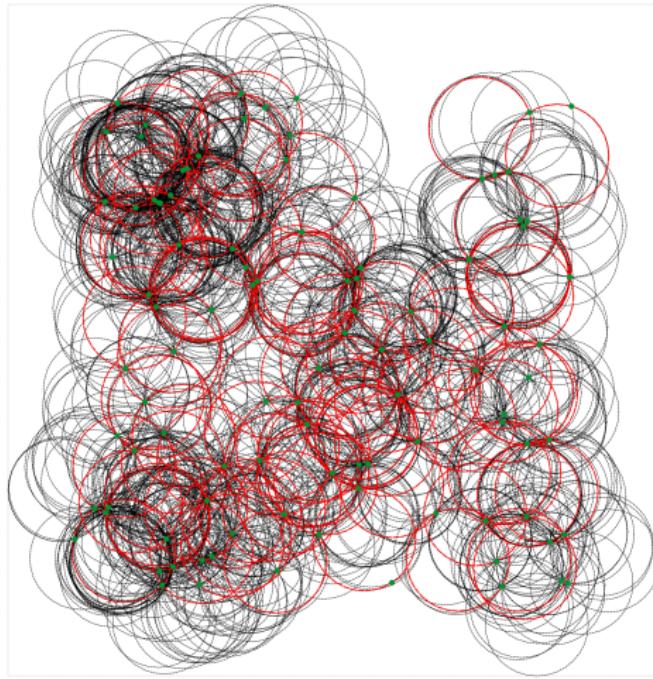
PSI stages...

Running filterCandidates algorithm... [98]



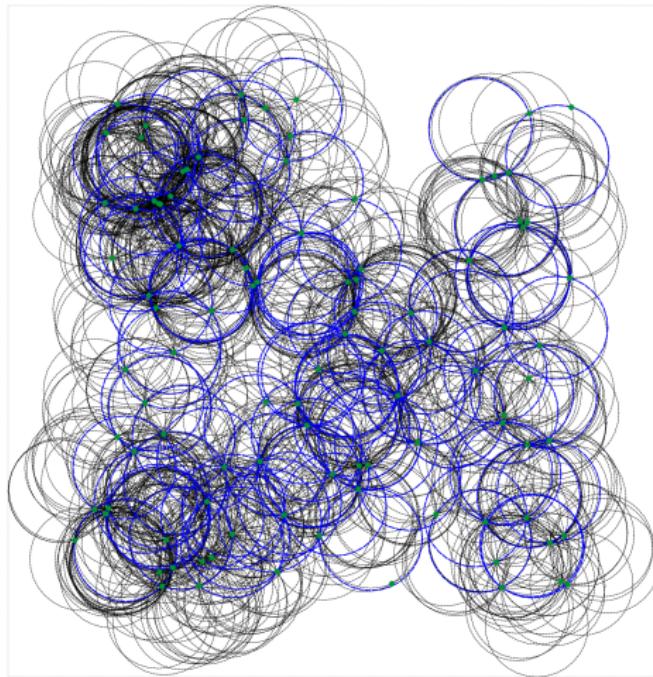
PSI results...

Maximal disks in PSI...

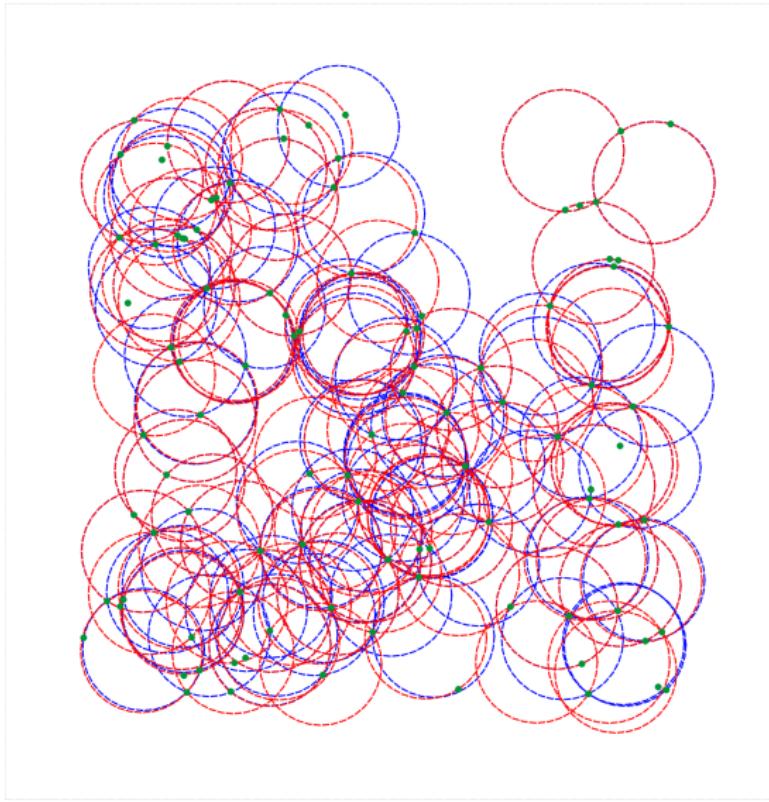


PSI results...

Maximal disks in BFE...



PSI and BFE...



What's next?

- ▶ Run performance experiments using BFE and PSI for dense datasets en parallel...
- ▶ Router, Resampler and Reprojector (RRR) are ready for ny_taxis and ny_bikes.
- ▶ Run RRR in new dataset sf_taxis (San Francisco taxis)...
- ▶ Start working on temporal dimension...
 - ▶ Explore 3D partitioners...