

PFLOCK Report

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Partial flocks processing...

- ▶ Collect in risky area during parallel processing...
- ▶ Store partial flocks by start time...
- ▶ Traverse by start time merging each partial flocks with partial flocks in its end time + 1...
- ▶ Prune any subset or duplicate...
- ▶ Report flocks which fit δ in the current time and update them...
- ▶ Pass remaining partial flocks to the next time...

Improvements in code...

- ▶ Fix bug in inverted index (time from 20s to 2s)...
- ▶ Implementing spatial indexing in the pruning routine...
- ▶ Removing unnecessary RDD calls...
- ▶ Time improves from 120s to 8s
- ▶ Reducing number of cells also improves a lot the time