Research Report

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Wei Wang

What I needed to do

- Needed to study the Conjugate code originated from Stanford and make it pass PoCC
- Needed to study the community detection code from PNNL and make it pass PoCC
- Others
  - Extending the workshop paper
  - PNNL benchmark (five sets of benchmarks)
  - Lulesh (using INRIA PPCG)

Progress & Problems

- No significant progress

- Code has many usage of advanced features that's hard to avoid

  - Conjugate: shared_ptr class, std::map<int,int>

  - Community detection code: __sync_fetch_and_add(), std::map<int,int> etc

The plan

- Continue the effort to make the codes pass PoCC compiler