

# Research Report

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Wei Wang

# Review of the issues

- Cardiac Journal Last Version Edits (Format changes for production)
- Develop Automatic Way to handle newer memory trace format
- New: look at financial code NLR reconstruction
- Reconstruct triangle loop bounds
  - make NLR more smart by ensuring line information is read and used
- Energy Tuning Project
  - Lulesh benchmark using PPCG
  - PNNL benchmark

# Progress

- Submitted Cardiac Journal Final Edits
- Worked on the report generating dependency graph using Trace+NLR+PoCC
- Read the relevant PLDI'09 paper

# The Plan

- Improve NLR prediction mechanism using post-processing/line number information
- Develop Automatic Way to handle newer memory trace format
- Look at Financial code and try to instrument and run them