**Proposal**

Problem:

Finding data dependencies to analyze programming code.

Aim:

Then compare static extracting data dependencies techniques with dynamic extracting data dependencies technique DiscoPop and static technique PLUTO.

Techniques:

Use-Def analysis, alias, inter-procedure, etc.

Process:

Implement static extracting data dependencies techniques, execute them on benchmark suits and convert results to DiscoPop format, so that they can be compared with other techniques.

Tools:

LLVM tool which is used to execute our software on Polybench, NPB and BOTS benchmark suits and extract data dependencies.