# Context

Something about using Sagar's or Dan's work on LLVM analysis

# Context

Something about IKOS?

# Comment

Each service corresponds to its specification

# **DaCosta**

**Code-Specification Corresponence** 

Code can statically be shown to

correspond to its specification

Also ties into AutoCorres

### **Backes**

Formal reasoning tools exist for LLVM, something about CVMC, Clie, Boogie, Java Path Finder

### Comment

Services in Lustre?

# Kingston

Can either synthesize C/C++/etc. code from a formal specification (e.g., PVS/LEAN/Coq), extract a specification from an implementation, perform checks on the implementation, or if we're heretics, we could rely on testing

#### Comment

(see StatisAnalysisMitigation argument)