Thindex – Do the optimizations preclude "who calls this" queries?

– Why isn't indexing totally incrementalizable?

Can SEA be refined with state information (i.e. $P \longrightarrow Q$ if P affects state used by Q. Is that just slicing? Can we get a speedup by over-approximating the state modified/used by each procedure?

H. Seibrecht

* small $\Delta \simeq$ replication studies
  - publishable only if the insights obtained from the future work/replication are essentially different from the original one
  - may strengthen the validity argument of the orig. work

Source code analysis tools should think/use the semantics of APIs/frameworks (such as Collections), on top of prog. lang. semantics to bring SCAM further. IV.

(3.V)

great examples of integration in build system is to let tool implement compilers. command line interface ⇒ reuse build system & configuration

D.V. Optimum publication volume is
what the community is able to read

L.M. ☺ publishing should be limited to
a life quotum

Too much "future work" remains undone

- too small Δ, $\Rightarrow$ no paper

Compilers should be designed for toolability first

Should large dependence clusters be eliminated or avoided? If avoided, what would be best?

- tool support
- design patterns
- language (re)design

Moving from binary dependencies to source code dependencies.

Is this supposed to improve dependency problems in large communities?

Compiler Mods

- integrates into Tool Chain
- dependent on Compiler Maintenance *
- → immediate Results / fine grained

Separate Tool

- ~~Run~~ Configuration information
- Use of Results
- → Compreh

Environment

- ~~Test~~ Develop Ux

- → Use in other Environments
- → fine grained

→ Depends on What you want
→ When you want it

If GCC was the de facto standard C compiler, "integrate with the compiler" would translate to "work on Gimple". That would be wrong.

In C, there are so many possible undefined behaviors that a compiler's front-end erases many of them.

E.g. in LLVM the transformation to SSA form erases some uninitialized reads.

USING COMPILERS FOR ANALYSES? WHAT IF THE SOURCE IS NOT COMPILABLE?

(VERY OLD QUESTION....)

AREN'T ALL RESULTS OF ANALYSIS PARTIAL? JC