

What's wrong with mini?

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Nothing

- The end

What to do?

- Some things in Rosetta3 need polishing
 - Usability refactoring (e.g. flag elimination)
 - Dependency reduction (speed up compilation)
 - Documentation
 - Duplication elimination
 - Old code removal
- New developers need guidance
 - Wiki guidelines are fragmented, disordered, overwhelming and incomplete
- Motivate code maintenance participation
 - Main carrot: satisfaction of helping the community
 - Minor carrot: good code gets fewer complaints

When to do it?

- RosettaCon?
 - Pro: we're all together
 - Con: if we're all together, we'd rather talk science
- Developer's Meeting?
 - RosettaConBoring
- Offline
 - Email,
 - web tutorials,
 - senior lab member advisories

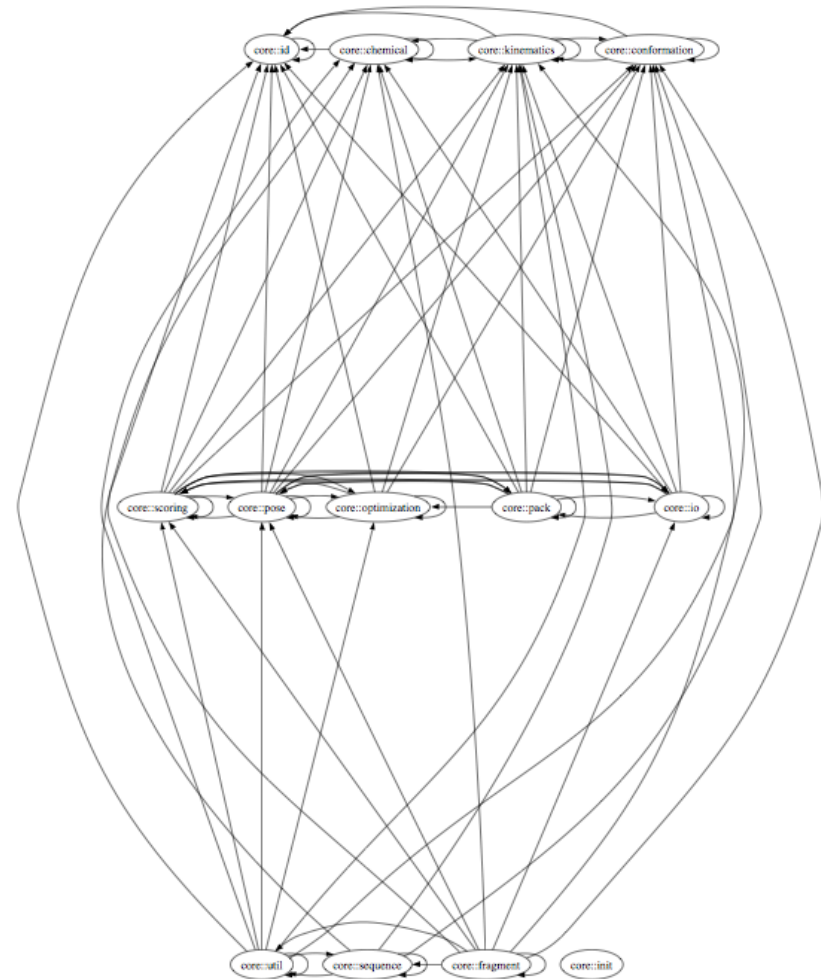
New users guide

- Join the rosetta-commons mailing lists
- Practice version control
 - First commit should not be to trunk
- Cover coding conventions
 - Bulleted list
 - Explanations
- Recommended reading?
 - *Refactoring*, Fowler (1999) ch1-2
 - *Effective C++*, Meyers (2005)
- Intro scripts collection
 - How to write a bash loop, an awk script, grep, condor/MPI/boinc submission

Dependencies in core

“the plan”

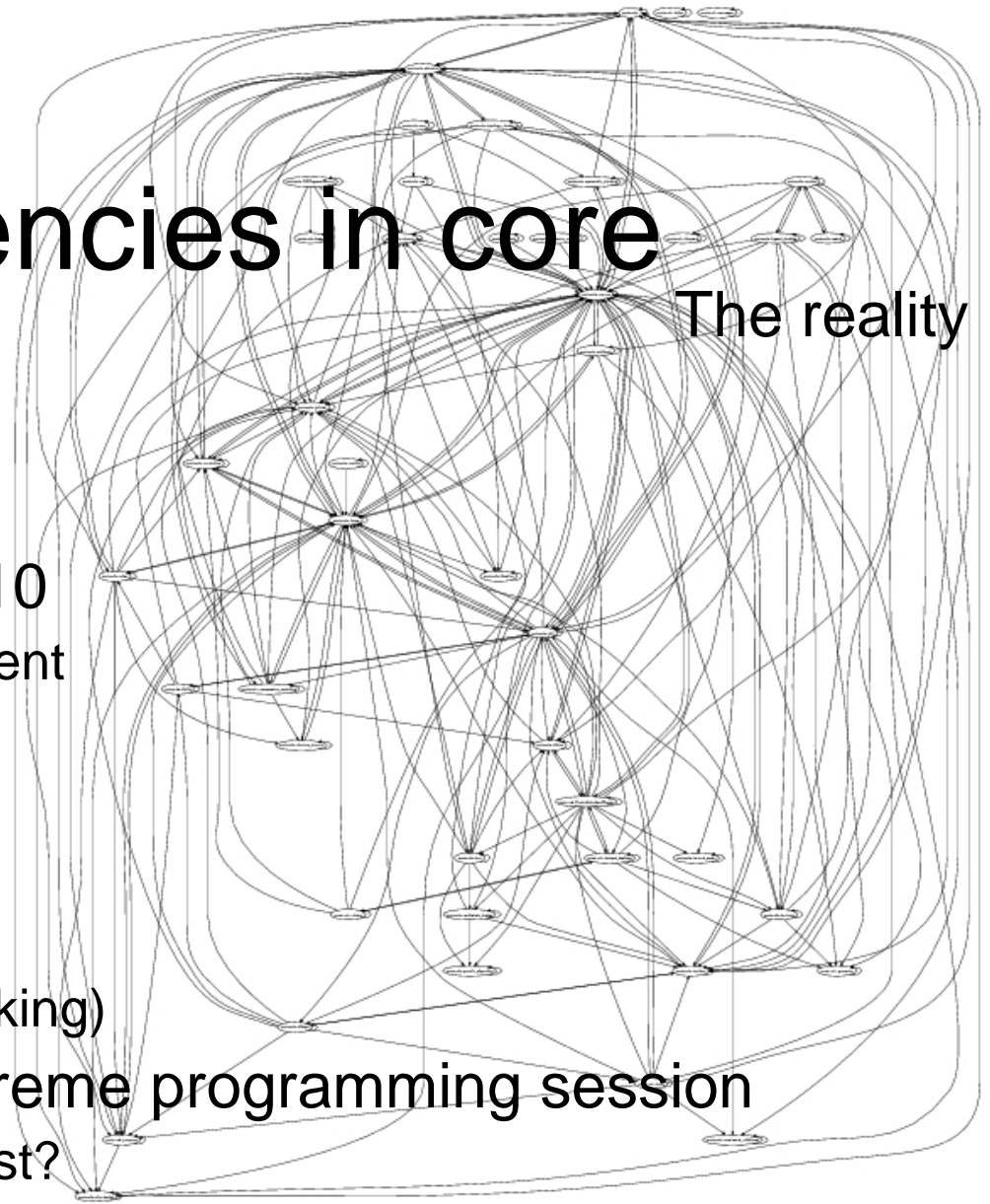
kinematics
chemical
conformation
pose
scoring
optimization
pack



Dependencies in core

The reality

- Vision of core library
 - Neatly stacked
- Plan from February, '10
 - Incremental improvement
 - Code reshuffling
 - protocols.0.lib
 - protocols.1.lib
- Why?
 - Library subdivision (linking)
- How? Week-long extreme programming session
 - Oahu? Vale? Key West?



Documentation

- Protocol capture -- today's protocols
- Application documentation -- yesterday's
 - Audience: a Rosetta novice
 - Template
 - What does the application do?
 - Input/Output
 - Real world example
 - Review process (help from Eran Kuchuk)
 - 11 applications have completed the template
 - 4 reviews completed and back to documenters

Coding conventions

- Adherence is less than 100%
 - Indentation; functions in .hh files; naming conventions
- 1.2M Lines of code
 - I can't read it
 - But I have scripts that can

More

- PyRosetta friendly “print” functions
- (Audience chimes in now)