



gem5

gem5 user workshop

Welcome!

- Thanks for attending and speaking
- Hope this will generate useful connections across groups
 - Large number of academics and companies here today
 - Leverage each others work
- Stimulate further use and contribution to gem5
 - No need to reinvent the wheel

Agenda Part 1

Topic	Time	Presenter
Introduction	08:30	Ali Saidi
Memory System Enhancements	08:45	Andreas Hannson
Visualizing stats via Streamline	09:05	Dam Sunwoo
HAsim: FPGA-Based Micro-Architecture Simulation	09:20	Michael Adler
VLIW DSPs/MIPS FS mode	09:35	Deyuan Guo & Hu He
Eclipse Integration	09:50	
Break	10:05	
Full-system Workloads and Asymmetric Multicore	10:30	Anthony Gutierrez
ARM SoC exploration	10:45	Alexandre Romana & Abhilash Nair
SystemC Integration	11:00	
Composite Cores	11:15	Shruti Padmanabha & Andrew Lukefahr
Customized In-Order CPU Modeling	11:30	Korey Sewell

Agenda Part 2

Topic	Time	Presenter
Cross-cutting Infrastructure for Evaluating Managed Apps	11:45	Paul Gratz
Lunch	12:00	
Simplifying SLICC via Atomic Messages	13:00	Brad Beckmann
Accelerating simulation with KVM	13:15	Ali Saidi
gem5-fusion: A Simulator for Heterogeneous Procs	13:30	Jason Power & Marc Orr
Break-out Sessions	13:45	Everyone
Break	15:00	
Wrap-Up & Next Steps	15:30	Everyone
Conclusions	16:00	Steve Reinhardt
NSF Infrastructure Meeting	16:30	Bruce Childers

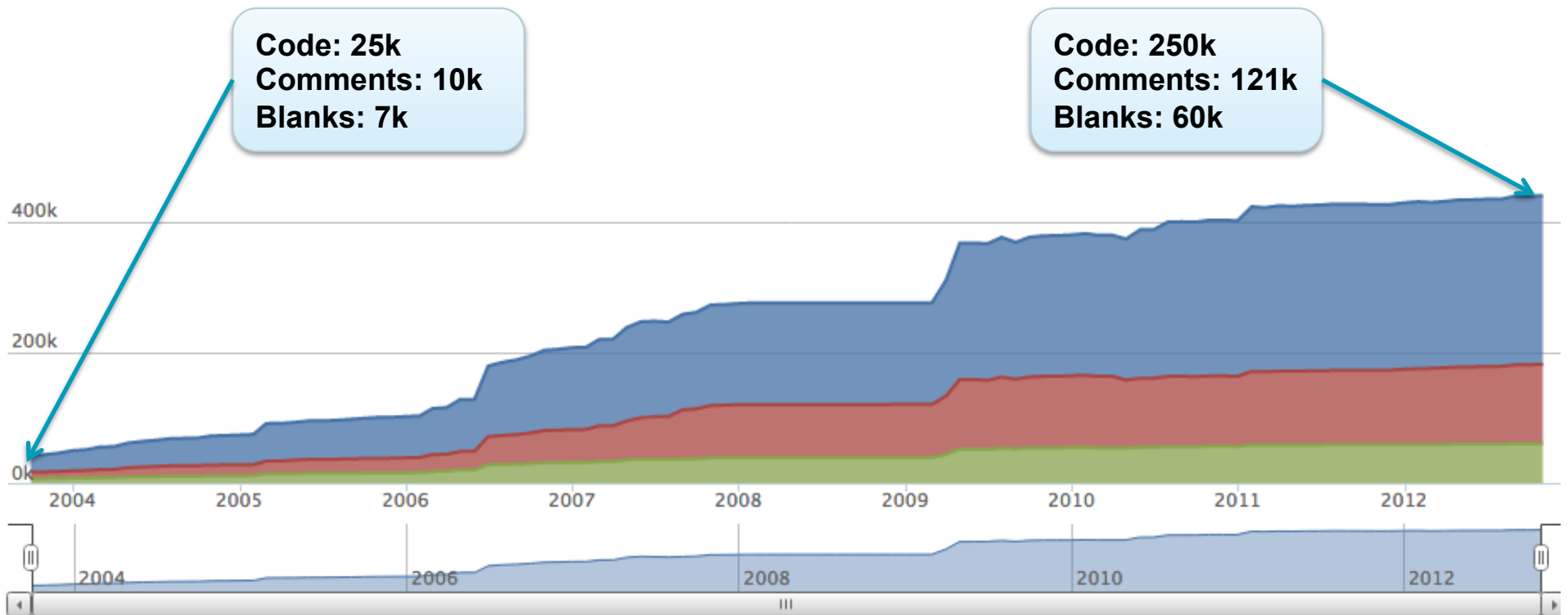
Breakout Sessions

- gem5 certainly isn't perfect
 - What can we do to make it better and how can we get it done?
 - How can we increase interaction in the community?
- Finding people with the same issues
 - Building a plan to address them
- Some suggested topics:
 - How to interface others tools (power, thermal, ...)?
 - Verification & Validation
 - Performance
 - SystemC integration
 - ...

Breakout Sessions Continued

- If you're interested in leading a breakout session
 - Please come to Steve or Ali with topics during breaks
 - If you'd be willing to lead one of the groups that would be great
 - We'll try to form groups based on topics people are interested in
- Groups can talk for an about an hour
 - Generate some thoughts/actions
- Five-minutes per group to present

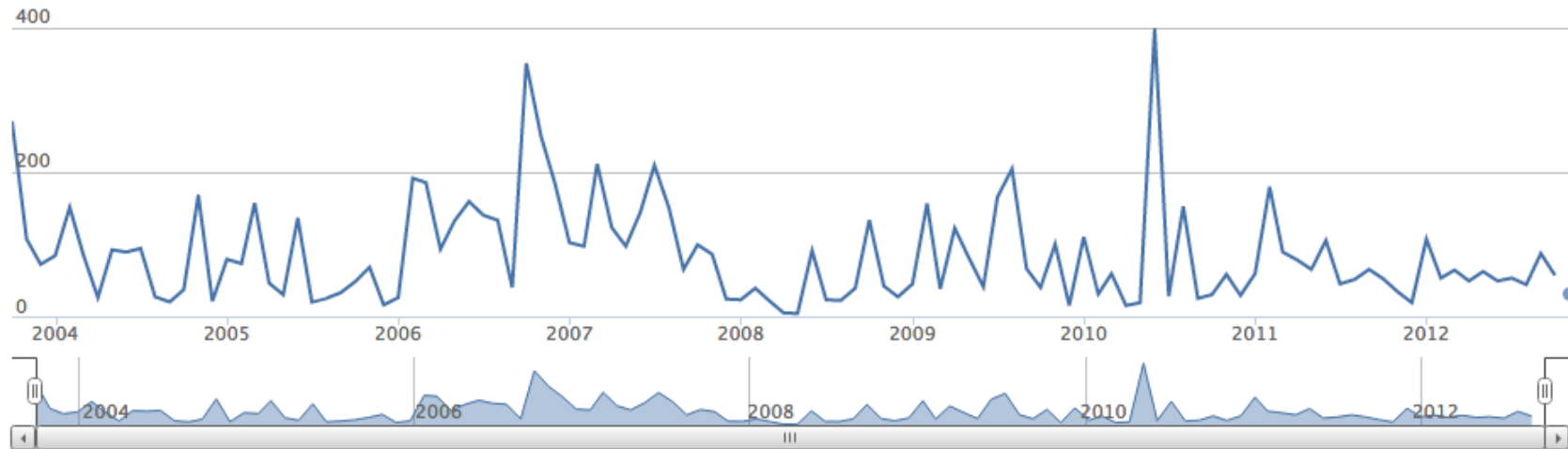
Lines of Code



Source: ohloh.net

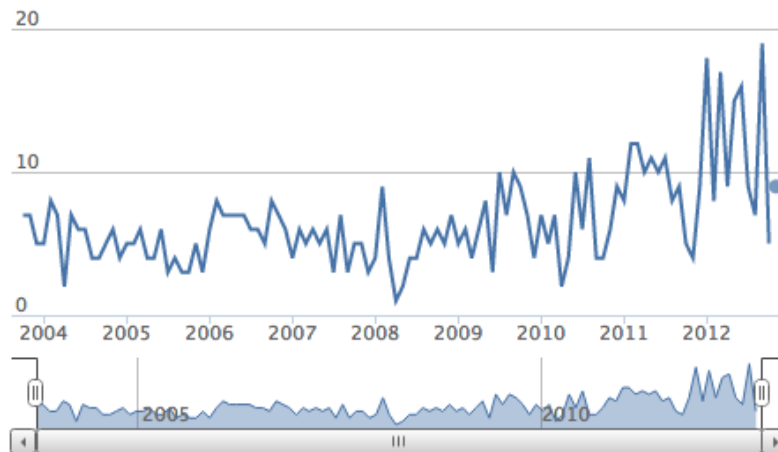
Commits per Month

- ~50 commits every month for a long time



Source: ohloh.net

- Growing number of contributors



Mailing List Activity

