



GPU TECHNOLOGY
CONFERENCE

roc>>etick

Uri Tal - CEO
Accelerating Chip Verification

GTC, San Jose Convention Center, CA | Sept. 20-23, 2010

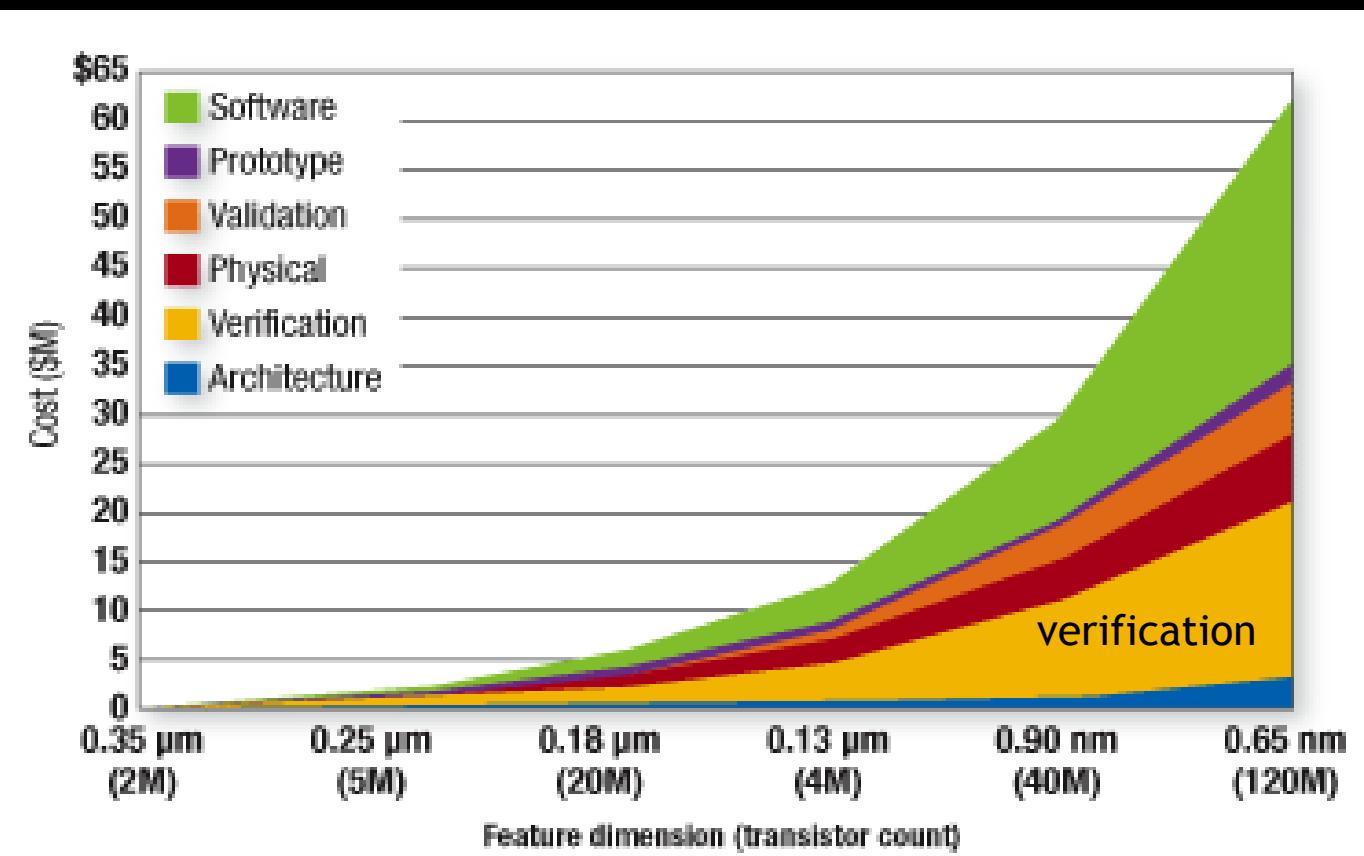
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Chip Complexity is Growing Exponentially



Simulators are single threaded



The cache becomes useless



"Maybe Grandma doesn't remember
because her memory is maxed out."

A Brute-Force Approach

How Intel Manages 100,000 Servers

February 17th, 2010 : Rich Miller



A look at the dense server configurations in one of the 97 data centers operated by Intel Corp, which runs more than 100,000 servers.

Chipmaker Intel has one of the largest data center management challenges on earth, with more than 100,000 servers housed in 97 data centers around the globe. About 70 percent of those servers support Intel staffers designing microprocessors, with the remainder dedicated to Intel's office, IT and web operations. The company manages

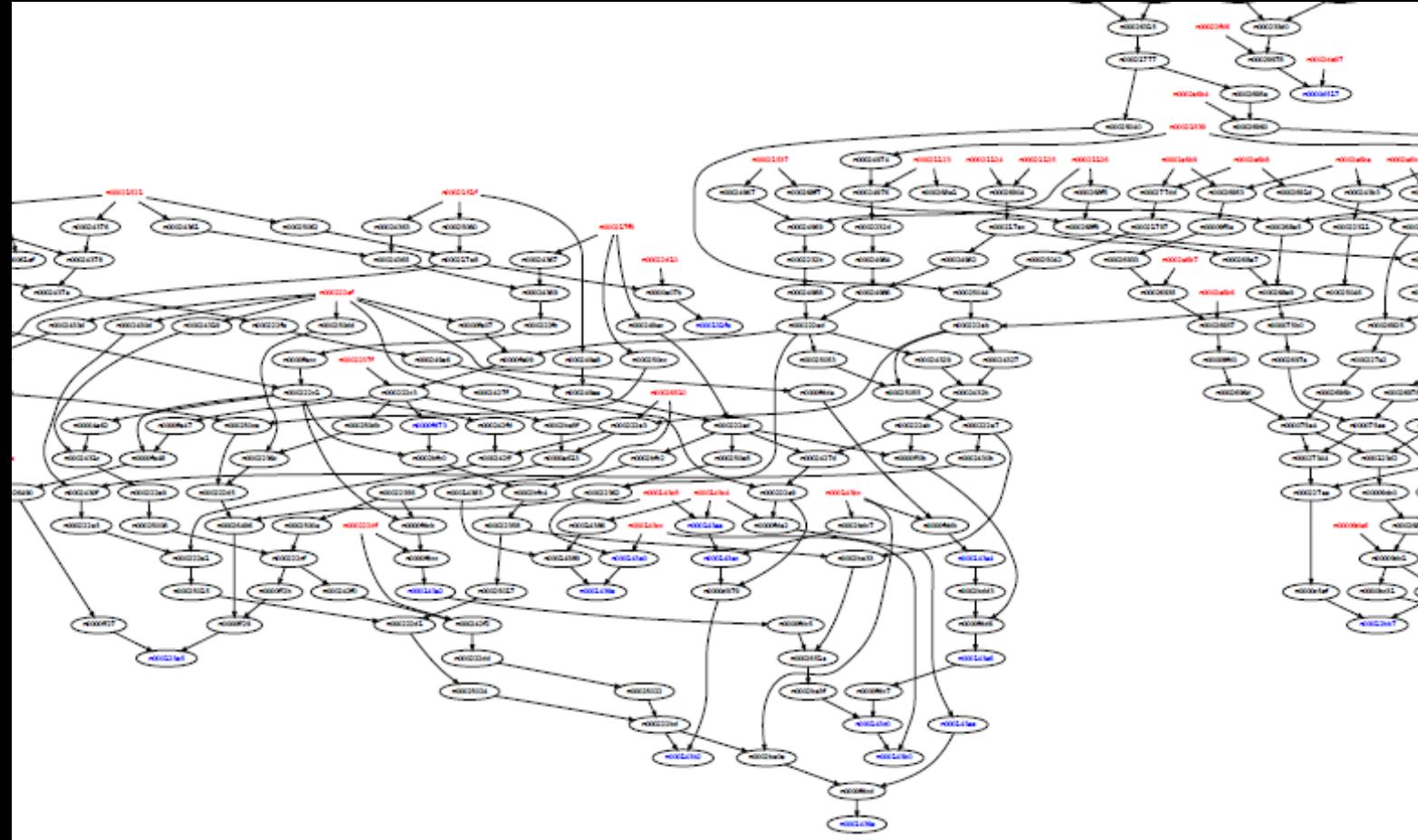


How about GPU?



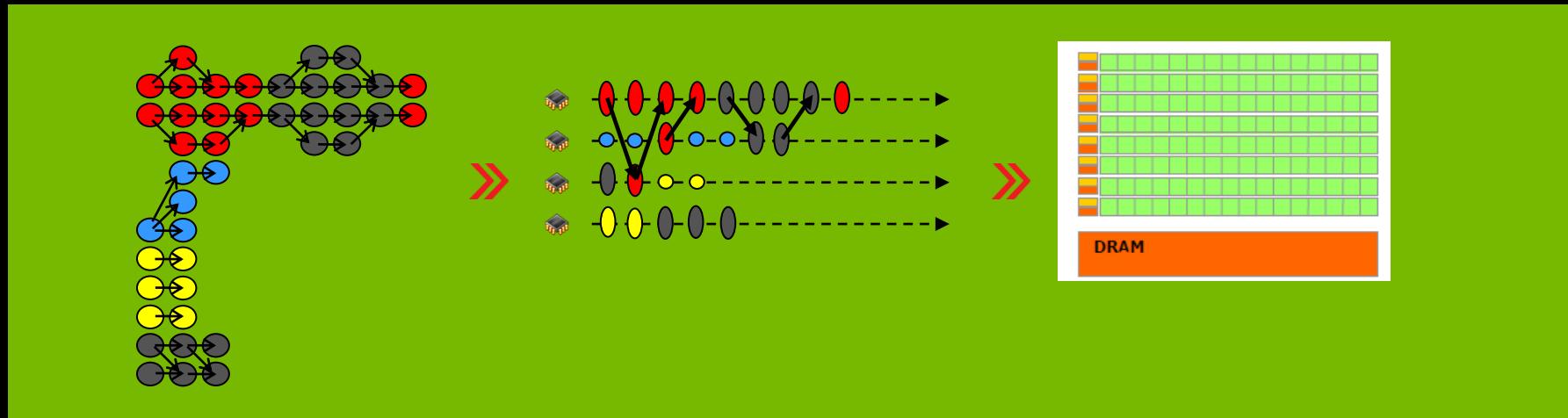
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Unique Scheduling Algorithms





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Helping to Design Better GPUs

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Summary

- Verification is becoming a bottleneck
- GPUs hold great promise
 - But parallelization is the challenge
- Rocketick enables to extract parallelism from complex graphs and run it over GPUs
- Our technology is broadly applicable
 - Chip simulation is only our first application



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Thank you!