P1500 Core Test Benchmarking Task Force

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Members
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Benchmarks for Cores

Goal

• Collect a set of realistic set of core benchmarks for distribution.

Advantage

• These can be used to test wrapper and language

Extended Goal

• Collect a set of real SoCs.

Advantage

• Ability to check on core interactions in test mode.
Status

• 2 Core examples found - both from Sun.
  – picoJava-II core
  – microSparc -IIep

• Cores from other providers would be appreciated - if open source or at least Community Source

• No SoC examples found - or likely
  – No resources available to create one from existing cores.
  – Little incentive for industry to make them available.
Recommendations

• Use the Sun cores as example.
• Look for more as part of the ongoing benchmark effort.
• Terminate the task force.
  – Mail to task force brought forth no objections.
picoJava Core - Block Diagram
microSparc - Block Diagram
For More Information

http://www.sun.com/microelectronics/datasheets/

Select - picoJava II Processor Core
   microSparc IIep

To get the code, go to