Threads cannot be implemented as a library
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September 28, 2010

Relevance to general parallel programming models?
What mechanisms are used to implement parallel programming models?

How does their conclusion as specified in the title impact …
– Code written using existing programming models
– Programming model development
– Future programming model implementation
What are the main problems they describe?

Correctness issues?

Performance issues?

What approaches to pthreads implementation and suggested use are causing the above?

How do they put their simple example in context?

Context for Sieve? Why should we care?

How could each of you do that in your project where you have a simple example?
More quantitative approach for PMDB

We need one, any ideas?

How do we evaluate the PBMD approach?

What is the goal?
– Provide program model selection guidance?
– Identify programming model constructs for orthogonally specifying implementation details?
  – Evaluate those constructs in terms of performance and level of tangling and programmer control
  – Figure out limitations in the existing constructs and how they might compose with one another

How do we know when we are done? How do we evaluate the evaluation framework?