

Software Transactional Memory (STM)

How efficient is it?

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The problem of concurrency

- Deadlock
- Wait/signal
- Composability
- Solution = STM?

What is STM?

- Shared memory
- Similar to the database approach
- Atomic blocks
- Reduced complexity

What will we do?

- **Examine efficiency:**
 - Execution time
 - Memory consumption
 - Scalability
 - Usability

How will we do it?

- Solve classical problems
- Compare different solutions
- Benchmark
- Evaluate

Where are we today?

- Back on track with Haskell
- Reading papers
- About to start writing background

Questions?

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