



A Lightweight Approach to Compiling and Scheduling Highly Dynamic Parallel Programs

HotPar'12

Ettore
Speziale,
Michele
Tartara

Problem Statement

- Optimization requires runtime information
- Runtime libraries are needed but heavy
- Compiler-based approach more appealing

Current Solutions

- Code specialization
Increased code size
- JIT compilation
High compilation cost
- Self-modifying code
Hard to write

Ettore Speziale and Michele Tartara



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Proposed Approach

