

Internation

• *Very complex machines*

- Gap between performance of hand-tuned and compiler-generated code has grown substantially

- Platform-specific optimizations are required

- Platforms change, and new ones are introduced

- As you add them the code becomes less and less maintainable and understandable



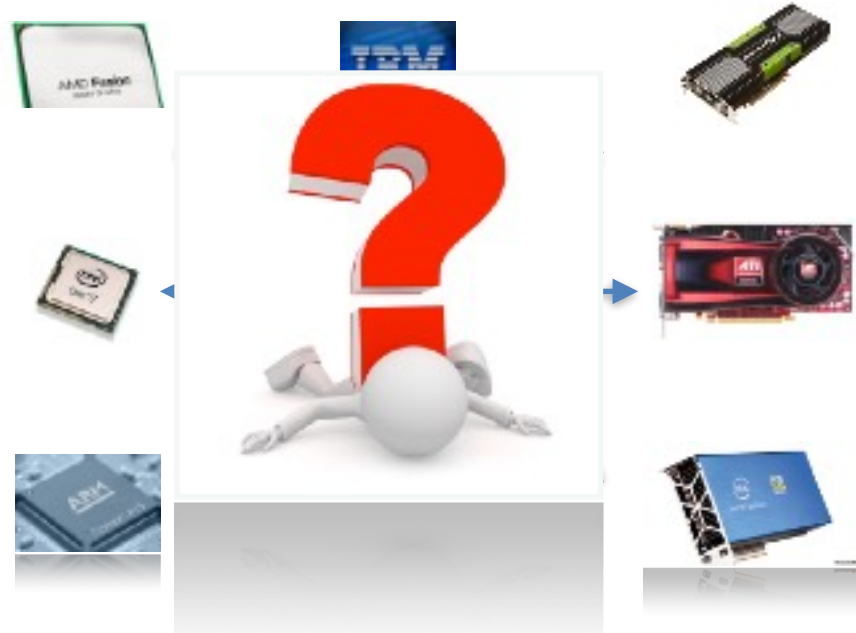
Source Code





Introduction

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Goal

- Improve performance automatically
- Target multiple platforms
- Keep the code maintainable in the long term

