Generic Autotuning Technology for GPU Applications

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Scientific Organizers

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Topics

- Generic Auto-Tuning Systems
- Identify Open Research Problems
- Connect Developers and End-Users
- Unify Auto-Tuning Data and Interfaces
- Enable Auto-Tuning in High-Level Programming Languages
- Establish Methodologies and Metrics for Tuning Space Search

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Generic autotuning software development tools need to be suited for irregularity, discontinuity, and high-dimensionality of auto-tuning optimization spaces. Images by Maria Naveki and Lachlan Donald. Poster design: SuperNova Studios NL.