Kyle Sunden

Goals

Theory

NISE

Algorithmic Improvement

Parallel Implementations

Limitations

WrightSim

Kyle Sunden

University of Wisconsin-Madison

January 2, 2018



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Parallel Implementations



Sample Spectrum

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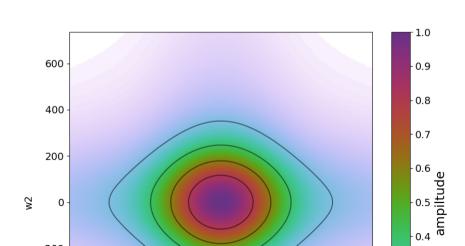
Goals

Theory

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Parallel Implementations





Introduction

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Theory

NISE

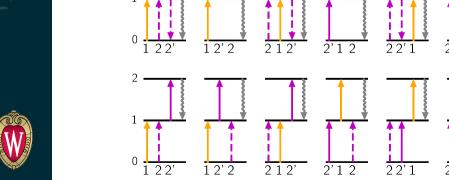
Algorithmic Improveme

Parallel Implementation

Scaling Analysi Limitations



Theory



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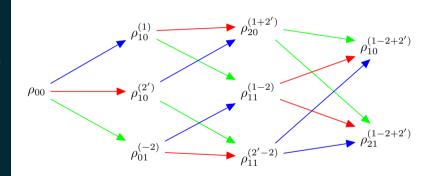
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Hamiltonian Matrix

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Parallel Implementations



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Parallel Implementation

Scaling Analysis Limitations



Algorithmic Improvements

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Scaling Analysi



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Profile trace of NISE

Coals

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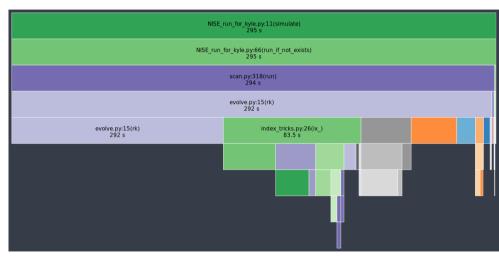
NISE

Algorithmic Improvements

Parallel Implementation

Scaling Analysis





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Profile trace of WrightSim

Coals

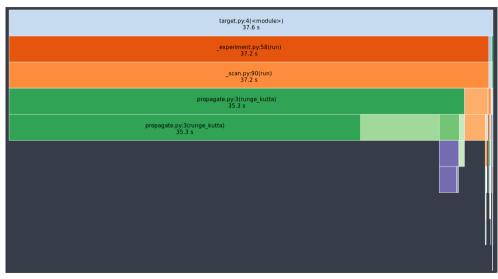
NISE

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Parallel Implementation

Scaling Analysis





Parallel Implementations

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Goals

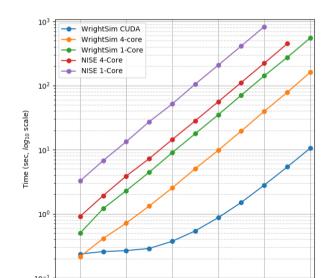
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