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Prihláška na Schwarzove štipendium

Meno:

Daniel Nagaj

Dátum narodenia:

24. 6. 1980

Zoznam publikácií a citácií:

1. Daniel Nagaj, Peter Štelmachovič, M. S. Kim, Vladimír Bužek
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2. Daniel Nagaj, Iordanis Kerenidis
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 - J. Bouda, M. Ziman, J. Phys. A: Math. Theor. 40, 5415–5426 (2007)
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(TCC 2008), New York, NY, USA, pp. 465-481

3. Daniel Nagaj, Shay Mozes
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 - J. D. Biamonte, Phys. Rev. A 77, 052331 (2008)
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4. Edward Farhi, Jeffrey Goldstone, Sam Gutmann, Daniel Nagaj
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 - Pedro Ribeiro and Rémy Mosseri, Phys. Rev. A 74, 042333 (2006)
5. Daniel Nagaj, Edward Farhi, Jeffrey Goldstone, Peter Shor, Igor Sylvester
The Quantum Transverse Field Ising Model on an Infinite Tree from Matrix Product States
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 - Vahid Karimipour, Laleh Memarzadeh, Phys. Rev. B 77, 094416 (2008)
6. Daniel Nagaj, Pawel Wocjan
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 Phys. Rev. A 78, 032311 (2008) [IF=2.893]
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Výsledok hlasovania o návrhu na udelenie vedeckej hodnosti:

Daniel Nagaj svoju doktorandskú dizertačnú prácu *Local Hamiltonians in Quantum Computation* obhájil Dňa 8. 5. 2008 na Massachusetts Institute of Technology v Cambridge, Massachusetts, USA, pred komisiou v zložení E. Farhi (predseda), P. Shor a V. Vuletić. Titul Ph.D. (Doctor of Philosophy) mu bol udelený taktiež, dňa 6. 6. 2008. Odborne preložený doklad o udelení vedeckého titulu je priložený.

Účasť v domácich a zahraničných projektoch:

- projekt *Adiabatic Quantum Computing and Quantum Walks: Algorithms and Architectures*, MIT Center for Theoretical Physics, sponzorovaný National Security Agency (NSA) a Advanced Research and Development Activity (ARDA), Army Research Office (ARO) pod kontraktom W911NF-04-1-0216
- projekt *Algorithms to Solve Average-Case NP-Hard Problems*, W. M. Keck Foundation Center for Extreme Quantum Information Technology at MIT

Vystúpenia na odborných podujatiach a konferenciách

1. (poster) A new QMA complete 3-local Hamiltonian construction, QIP 2007, Brisbane, Australia
2. (poster) The Quantum Transverse Field Ising Model on an Infinite Tree from Matrix Product States, Leiden Workshop on Complexity of Hamiltonian Systems, Leiden, Holandsko, 2007

Zoznam patentov a patentových prihlášok: –

Aplikácie výsledkov: –

Absolvované študijné pobyty: –

Jazykové znalosti:

- anglický jazyk (aktívna znalosť, pokročilý)
- nemecký, ruský, poľský jazyk (pasívna znalosť, začiatočník)

Pracovný profil:

<http://www.quniverse.sk/people/nagaj/profil/>