

**UNIVERZITA KOMENSKÉHO  
FAKULTA MATEMATIKY, FYZIKY A INFORMATIKY**

**Zoznam publikačnej činnosti**

**RNDr. Martin Plesch, PhD.**

**ADC Vedecké práce v zahraničných karentovaných časopisoch**

ADC01 Plesch, Martin 50% - Bužek, Vladimír 50%: Entangled graphs

In: Quantum Information & Computation. - Vol. 2, Sp. Iss. (2002), s. 530-539

*Ohlasy (2):*

[o1] 2003 Raginsky, M.: Scaling and Renormalization in Fault-Tolerant Quantum Computers. In: Quantum Information Processing, Vol. 2, No. 3, 2003, s. 249-258 - SCI

[o1] 2005 Koniorczyk, M. - Rapdan, P. - Bubeek, V. R.: Direct versus measurement-assisted bipartite entanglement in multiqubit systems and their dynamical generation in spin systems. In: Physical Review A, Vol. 72, No. 2, 2005, Art. No. 022321- SCOPUS

ADC02 Plesch, Martin 50% - Bužek, Vladimír 50%: Entangled graphs. II. Classical correlations in multiqubit entangled systems

Popis urobený 6.12.2013

In: Physical Review A. - Vol. 67, No. 1 (2003), Art. No. 012313, s. 1-6

URL: <http://arxiv.org/pdf/quant-ph/0306001v1.pdf>

POZNÁMKA: Vyšlo aj ako preprint - arxiv.org: Quantum Physics. - No. arXiv:quant-ph/0306001 (2003), s. 1-7. -

*Ohlasy (8):*

[o1] 2004 Hein, M. - Eisert, J. - Briegel, H. J.: Multiparty entanglement in graph states. In: Physical Review A, Vol. 69, No. 6, 2004, Art. No. 062311 - SCI

[o1] 2005 Heydari, H. - Bjork, G.: Entanglement tensor for a general pure multipartite quantum state. In: Quantum Information & Computation, Vol. 5, No. 2, 2005, s. 146-155 - SCI

[o1] 2005 Nicolosi, S. - Napoli, A. - Messina, A.: Loss induced collective subradiant Dicke behaviour in a multiatom sample. In: European Physical Journal D, Vol. 33, No. 1, 2005, s. 113-121 - SCI ; SCOPUS

[o1] 2006 Zha, X. - Zhang, C.: Entanglement and kinds of pure three-qubit states. In: Hsi-An Chiao Tung Ta Hsueh/Journal of Xi'an Jiaotong University, Vol. 40, No. 2, 2006, s. 243-245 - SCOPUS

[o1] 2008 Sabin, C. - Garcia-Alcaine, G.: A classification of entanglement in three-qubit systems. In: European Physical Journal D, Vol. 48, No. 3, 2008, s. 435-442 - SCI ; SCOPUS

[o1] 2009 Gennaro, G. - Campbell, S. - Paternostro, M. - Palma, G. M.: Structural change in multipartite entanglement sharing: A random matrix approach. In: Physical Review A, Vol. 80, No. 6, 2009, Art. No. 062315 - SCI ; SCOPUS

[o1] 2012 Salimi, S. - Karami, D. - Salimi, E.: Investigation of Preparation up to Six and N-Atom Graph States. In: International Journal of Theoretical Physics, Vol. 51, No. 7, 2012, s. 2031-2043 - SCI ; SCOPUS

[o1] 2013 Kravets, Y. - Jakubczyk, P. - Jakubczyk, D.: Classification of entanglement via rigged string configurations. In: Physical Review A, Vol. 88, No. 2, 2013, Art. No. 022331 - SCI

ADC03 Plesch, Martin 50% - Bužek, Vladimír 50%: Entangled graphs: Bipartite entanglement in multiqubit systems  
In: Physical Review A. - Vol. 67, No. 1 (2003), Art. No. 012322, s. 1-6

*Ohlasy (24):*

[o1] 2003 Franzosi, R. - Penna, V.: Chaotic behavior, collective modes, and self-trapping in the dynamics of three coupled Bose-Einstein condensates. In: Physical Review E, Vol. 67, No. 4, 2003, Art. No. 046227 - SCI ; SCOPUS

[o1] 2004 Buonsante, P. - Franzosi, R. - Penna, V.: Persistence of mean-field features in the energy spectrum of small arrays of Bose-Einstein condensates. In: Journal of Physics B, Vol. 37, No. 7, 2004, s. S229-S238 - SCI ; SCOPUS

- [o1] 2004 Hein, M. - Eisert, J. - Briegel, H. J.: Multiparty entanglement in graph states. In: Physical Review A, Vol. 69, No. 6, 2004, Art. No. 062311 - SCI ; SCOPUS
- [o1] 2004 Klyachko, A. A. - Shumovsky, A. S.: Maximum entanglement and its proper measure. In: Journal of Optics B, Vol. 6, No. 3, 2004, s. S29-S36 - SCOPUS
- [o1] 2005 Heydari, H. - Bjork, G.: Entanglement tensor for a general pure multipartite quantum state. In: Quantum Information & Computation, Vol. 5, No. 2, 2005, s. 146-155 - SCI ; SCOPUS
- [o1] 2005 Koniorczyk, M. - Rapdan, P. - Bubeek, V. R.: Direct versus measurement-assisted bipartite entanglement in multiqubit systems and their dynamical generation in spin systems. In: Physical Review A, Vol. 72, No. 2, 2005, Art. No. 022321- SCOPUS
- [o1] 2005 Nicolosi, S. - Napoli, A. - Messina, A.: Loss induced collective subradiant Dicke behaviour in a multiatom sample. In: European Physical Journal D, Vol. 33, No. 1, 2005, s. 113-121 - SCI ; SCOPUS
- [o1] 2005 Toth, G.: Entanglement witnesses in spin models. In: Physical Review A, Vol. 71, No. 1, 2005, Art. No. 010301 - SCI
- [o1] 2006 Filk, T.: Relational interpretation of the wave function and a possible way around bell's theorem. In: International Journal of Theoretical Physics, Vol. 45, No. 6, 2006, s. 1205-1219 - SCI ; SCOPUS
- [o1] 2006 Filk, T.: The problem of locality and a relational interpretation of the wave function. In: Quantum Theory: Reconsideration of Foundations - 3 : AIP Conference Proceedings, Vol. 810. Melville : AIP, 2006, S. 305-311 - CPCI-S ;SCOPUS
- [o1] 2006 Hiesmayr, B. C. - Koniorczyk, M. - Narnhofer, H.: Maximizing nearest-neighbor entanglement in finitely correlated qubit chains. In: Physical Review A, Vol. 73, No. 3, 2006, Art. No. 032310 - SCOPUS
- [o1] 2006 Hsu, L. Y.: Bell-type inequalities embedded in the subgraph of graph states. In: Physical Review A, Vol. 73, No. 4, 2006, Art. No. 042308 - SCI ; SCOPUS
- [o1] 2006 Yu, C. S. - Song, H. S.: Global entanglement for multipartite quantum states. In: Physical Review A, Vol. 73, No. 2, 2006, Art. No. 022325 - SCI ; SCOPUS
- [o1] 2007 Arfi, B.: Quantum social game theory. In: Physica A, Vol. 374, No. 2, 2007, s. 794-820 - SCI ; SCOPUS
- [o1] 2007 La Mura, P. - Swiatczak, L.: Markov entanglement networks. In: Quantum interaction : papers from the AAI spring symposium : Technical Report, Vol. SS-07-08, 2007. Menlo Park : AAI Press, 2007, S. 17-23 - SCOPUS
- [o1] 2008 Sabin, C. - Garcia-Alcaine, G.: A classification of entanglement in three-qubit systems. In: European Physical Journal D, Vol. 48, No. 3, 2008, s. 435-442 - SCI ; SCOPUS
- [o1] 2009 Buonsante, P. - Franzosi, R. - Penna, V.: Control of unstable macroscopic oscillations in the dynamics of three coupled Bose condensates. In: Journal of Physics A, Vol. 42, No. 28, 2009, Art. No. 285307 - SCI ; SCOPUS
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- [o1] 2010 Adhikari, S.: Entanglement and teleportation in bipartite system. In: International Journal of Quantum Information, Vol. 8, No. 7, 2010, s. 1153-1167 - SCI ; SCOPUS
- [o1] 2011 Jakubczyk, P. - Kravets, Y. - Jakubczyk, D.: Entanglement of one-magnon Schur-Weyl states. In: European Physical Journal D, Vol. 61, No. 2, 2011, s. 507-512 - SCI ; SCOPUS
- [o1] 2012 Salimi, S. - Karami, D. - Salimi, E.: Investigation of preparation up to six and N-atom graph states. In: International Journal of Theoretical Physics, Vol. 51, No. 7, 2012, s. 2031-2043 - SCI ; SCOPUS
- [o1] 2013 Kravets, Y. - Jakubczyk, P. - Jakubczyk, D.: Classification of entanglement via rigged string configurations. In: Physical Review A, Vol. 88, No. 2, 2013, Art. No. 022331 - SCI ; SCOPUS
- [o1] 2013 Qu, R. - Li, Z. S. - Wang, J. - Bao, Y. R.: Multipartite entanglement and hypergraph states of three qubits. In: Physical Review A, Vol. 87, No. 3, 2013, Art. No. 032329 - SCI ; SCOPUS

ADC04 Plesch, Martin 25% - Novotný Jaroslav 25% - Dzuráková, Zuzana 25% - Bužek, Vladimír 25%: Controlling bi-partite entanglement in multi-qubit systems  
 In: Journal of Physics A-Mathematical and General. - Vol. 37, No. 5 (2004), s. 1843-1859  
*Ohlasy (3):*

[o1] 2005 Gorbachev, V. N. - Trubilko, A. I.: Multiparticle entanglement via resonant interaction between light and atomic ensembles. In: Journal of Experimental and Theoretical Physics, Vol. 101, No. 1, 2005, s. 33-43 - SCI ; SCOPUS

[o1] 2005 Heydari, H. - Bjork, G.: Entanglement tensor for a general pure multipartite quantum state. In: Quantum Information & Computation, Vol. 5, No. 2, 2005, s. 146-155 - SCI ; SCOPUS

[o1] 2006 Hiesmayr, B. C. - Koniorczyk, M. - Narnhofer, H.: Maximizing nearest-neighbor entanglement in finitely correlated qubit chains. In: Physical Review A, Vol. 73, No. 3, 2006, Art. No. 032310 - SCI ; SCOPUS

ADC05 Ziman, Mário 34% - Plesch, Martin 33% - Bužek, Vladimír 33%: Process reconstruction from incomplete and/or inconsistent data

In: European Physical Journal D. - Vol. 32, No. 2 (2005), s. 215-222

*Ohlasy (3):*

[o1] 2007 Mohseni, M. - Lidar, D. A.: Direct characterization of quantum dynamics: General theory. In: Physical Review A, Vol. 75, No. 6, 2007, Art. No. 062331 - SCI ; SCOPUS

[o1] 2008 Mohseni, M. - RezaKhani, A. T. - Lidar, D. A.: Quantum-process tomography: Resource analysis of different strategies. In: Physical Review A, Vol. 77, No. 3, 2008, Art. No. 032322 - SCI ; SCOPUS

[o1] 2008 Watanabe, S. - Matsumoto, R. - Uyematsu, T.: Tomography increases key rates of quantum-key-distribution protocols. In: Physical Review A, Vol. 78, No. 4, 2008, Art. No. 042316 - SCI ; SCOPUS

ADC06 Ziman, Mário 25% - Plesch, Martin 25% - Bužek, Vladimír 25% - Štelmachovič, Peter 25%: Process reconstruction: From unphysical to physical maps via maximum likelihood

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In: Physical Review A. - Vol. 72, No. 2 (2005), Art. No. 022106, s. 1-5

URL: <http://arxiv.org/pdf/quant-ph/0501102.pdf>

POZNÁMKA: Vyšlo aj ako preprint - arxiv.org: Quantum Physics. - No. arXiv:quant-ph/0501102 (2005), s. 1-4. -

*Ohlasy (10):*

[o1] 2005 Rohde, P. P. - Pryde, G. J. - O'Brien, J. L. - Ralph, T. C.: Quantum-gate characterization in an extended Hilbert space. In: Physical Review A, Vol. 72, No. 3, 2005, Art. No. 032306 - SCI

[o1] 2006 Aïmeur, E. - Brassard, G. - Gambs, S.: Machine learning in a quantum world. In: Advances in Artificial Intelligence : Lecture Notes in Computer Science, Vol. 4013. Berlin : Springer, 2006, S. 431-442 - SCOPUS

[o1] 2006 Banas, P. - Rehacek, J. - Hradil, Z.: Perturbative quantum-state estimation. In: Physical Review A, Vol. 74, No. 1, 2006, Art. No. 014101 - SCI ; SCOPUS

[o1] 2007 Livine, E. R. - Terno, D. R.: Quantum causal histories in the light of quantum information. In: Physical Review D, Vol. 75, No. 8, 2007, Art. No. 084001 - SCI ; SCOPUS

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[o1] 2010 Sano, Y. - Matsumoto, R. - Uyematsu, T.: Secure key rate of the BB84 protocol using finite sample bits. In: Journal of Physics A: Mathematical and Theoretical, Vol. 43, No. 49, 2010, Art. No. 495302 - SCOPUS

[o1] 2011 Keselman, A. - Glickman, Y. - Akerman, N. - Kotler, S. - Ozeri, R.: High-fidelity state detection and tomography of a single-ion Zeeman qubit. In: New Journal of Physics, Vol. 13, 2011, Art. No. 073027 - SCI ; SCOPUS

[o1] 2011 Rau, J.: Assessing thermalization and estimating the Hamiltonian with output data only. In: Physical Review A, Vol. 84, No. 5, 2011, Art. No. 052101 - SCOPUS

[o1] 2012 Ruppert, L. - Virosztek, D. - Hangoš, K.: Optimal parameter estimation of Pauli channels. In: Journal of Physics A, Vol. 45, No. 26, 2012, Art. No. 265305 - SCI ; SCOPUS

[o1] 2012 Zorzi, M. - Ticozzi, F. - Ferrante, A.: Estimation of quantum channels: Identifiability and ML methods. In: Decision and Control. New York : IEEE, 2012, S. 1674-1679 - SCOPUS

ADC07 Plesch, Martin 25% - Ziman, Mário 25% - Bužek, Vladimír 25% - Štelmachovič, Peter 25%: Estimation of potentially unphysical maps

In: Open Systems & Information Dynamics. - Vol. 13, No. 3 (2006), s. 255-262

ADC08 Ziman, Mário 34% - Plesch, Martin 33% - Bužek, Vladimír 33%: Reconstruction of superoperators from

incomplete measurements

Popis urobený 6.12.2013

In: Foundations of Physics. - Vol. 36, No. 1 (2006), s. 127-156

URL: <http://arxiv.org/pdf/quant-ph/0406088.pdf>

POZNÁMKA: Vyšlo aj ako preprint - arxiv.org: Quantum Physics. - No. arXiv:quant-ph/0406088 (2004), s. 1-13. -

*Ohlasy (3):*

[o1] 2005 Cole, J. H. - Schirmer, S. G. - Greentree, A. D. - Wellard, C. J. - Oi, D. K. L. - Hollenberg, L. C. L.: Identifying an experimental two-state Hamiltonian to arbitrary accuracy. In: Physical Review A, Vol. 71, No. 6, 2005, Art. No.062312 - SCI

[o1] 2007 Livine, E. R. - Terno, D. R.: Quantum causal histories in the light of quantum information. In: Physical Review D, Vol. 75, No. 8, 2007, Art. No. 084001 - SCI

[o1] 2008 Watanabe, S. - Matsumoto, R. - Uyematsu, T.: Tomography increases key rates of quantum-key-distribution protocols. In: Physical Review A, Vol. 78, No. 4, 2008, Art. No. 042316 - SCI ; SCOPUS

ADC09 Sedlák, Michal 50% - Plesch, Martin 50%: Towards optimization of quantum circuits

In: Central European Journal of Physics. - Vol. 6, No. 1 (2008), s. 128-134

*Ohlasy (1):*

[o1] 2012 Mohammadzadeh, N. - Sedighi, M. - Zamani, M. S.: Gate location changing: An optimization technique for quantum circuits. In: International Journal of Quantum Information, Vol. 10, No. 3, 2012, Art. No. 1250037 - SCI ; SCOPUS

ADC10 Plesch, Martin 50% - Bužek, Vladimír 50%: Efficient compression of quantum information

In: Physical Review A. - Vol. 81, No. 3 (2010), Art. No. 032317, s. 1-7

*Ohlasy (1):*

[o1] 2013 Datta, N. - Hsieh, M. H. - Wilde, M. M.: Quantum rate distortion, reverse Shannon theorems, and source-channel separation. In: IEEE Transactions on Information Theory, Vol. 59, No. 1, 2013, s. 615-630 - SCI

ADC11 Huber, Marcus 50% - Plesch, Martin 50%: Purification of genuine multipartite entanglement

In: Physical Review A. - Vol. 83, No. 06 (2011), Art. No. 062321, s. 1-4

ADC12 Plesch, Martin 50% - Brukner, Časlav 50%: Quantum-state preparation with universal gate decompositions

In: Physical Review A. - Vol. 83, No. 3 (2011). Art. No. 032302, s. 1-5

URL: <http://arxiv.org/pdf/1003.5760v2.pdf>

POZNÁMKA: Vyšlo aj ako preprint - arXiv.org: Quantum Physics. - No. arXiv:1003.5760 (2010), s. 1-5. -

*Ohlasy (5):*

[o1] 2010 Brown, K. L. - Munro, W. J. - Kendon, V. M.: Using quantum computers for quantum simulation. In: Entropy, Vol. 12, No. 11, 2010, s. 2268-2307 - SCI

[o1] 2012 Luo, M.: Some quantum states prepared with polynomial quantum circuit. In: International Journal of Theoretical Physics, Vol. 51, No. 12, 2012, s. 3733-3740 - SCI ; SCOPUS

[o1] 2012 Wang, D. - Chen, H. W. - Zhu, W. N. - Liu, Z. H.: Unitary matrix of multiple-valued quantum permutation gate. In: Jisuanji Xuebao/Chinese Journal of Computers, Vol. 35, No. 3, 2012, s. 639-644 - SCOPUS

[o1] 2013 Luo, M. X. - Deng, Y. - Chen, X. B. - Yang, Y. X. - Li, H. H.: Faithful quantum broadcast beyond the no-go theorem. In: Quantum Information Processing, Vol. 12, No. 5, 2013, s. 1969-1979 - SCI ; SCOPUS

[o1] 2013 Shafaei, A. - Saeedi, M. - Pedram, M.: Reversible Logic synthesis of K-input, M-output lookup tables. In: Proceedings -Design, Automation and Test in Europe. Amsterdam : Elsevier, 2013, S. 1235-1240 - SCOPUS

ADC13 Bouda, Jan 34% - Pivoluska, Matej 33% - Plesch, Martin 33%: Improving the Hadamard extractor

In: Theoretical Computer Science. - Vol. 459, november (2012), s. 69-76

ADC14 Bouda, Jan 34% - Pivoluska, Matej 33% - Plesch, Martin 33%: Encryption with weakly random keys using a quantum ciphertext

In: Quantum Information & Computation. - Vol. 12, No. 5-6 (2012), s. 394-402

ADC15 Bouda, Jan 25% - Pivoluska, Matej 25% - Plesch, Martin 25% - Wilmott, Colin 25%: Weak randomness seriously limits the security of quantum key distribution  
In: Physical Review A. - Vol. 86, No. 6 (2012), Art. No. 062308, s. 1-5  
*Ohlasy (2):*  
[o1] 2012 Abu-Ayyash, A. M. - Ajlouni, N.: Using permutations to enhance the gain of RUQB technique. In: International Journal of Information Technology and Web Engineering, Vol. 7, No. 2, 2012, s. 30-45 - SCOPUS  
[o1] 2013 Huber, M. - Pawlowski, M.: Weak randomness in device-independent quantum key distribution and the advantage of using high-dimensional entanglement. In: Physical Review A, Vol. 88, No. 3, 2013, Art. No. 032309 - SCI ; SCOPUS

ADC16 Plesch, Martin 25% - Dahlsten, Oscar 25% - Goold, John 25% - Vedral, Vlatko 25%: Comment on "Quantum Szilard Engine"  
In: Physical Review Letters. - Vol. 111, No. 18 (2013), Art. No. 188901, s. 1  
*Ohlasy (1):*  
[o1] 2013 Kim, S. W. - Kim, K. H. - Sagawa, T. - De Liberato, S. - Ueda, M.: Kim et al. Reply. In: Physical Review Letters, Vol. 111, No. 18, 2012, Art. No. 188902 - SCI ; SCOPUS

#### **ADD Vedecké práce v domácich karentovaných časopisoch**

ADD01 Plesch, Martin 100%: Stabilization via covariant symmetrization  
In: Acta Physica Slovaca. - Vol. 52, No. 5 (2002), s. 409-417

#### **AED Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách**

AED01 Pišút, Ján - Pleschová, Gabriela - Plesch, Martin - Šranková, Zuzana : Školstvo = Education  
Lit. 12 záz. In: Slovensko 2002 : Súhrnná správa o stave spoločnosti. - Bratislava : Inštitút pre verejné otázky, 2002. - S. 231-251. - ISBN 80-88935-40-7. - (Slovensko v pohybe)  
POZNÁMKA: V angličtine Education - Slovakia 2002 : a global report on the state of society. - Bratislava : IVO, 2003. - S. 573-590. - ISBN 80-88935-44-X

AED02 Pišút, Ján - Pleschová, Gabriela - Plesch, Martin - Pišútová-Gerber, Katarína : Školstvo = Education  
Lit. 27 záz. In: Slovensko 2003 : súhrnná správa o stave spoločnosti. - Bratislava : Inštitút pre verejné otázky, 2003. - S. 607-625. - ISBN 80-88935-57-1  
POZNÁMKA: V angličtine Education : Slovakia 2003 : a global report on the state of society. - Bratislava : IVO, 2003. - S. 533-550. - ISBN 80-88935-61-X

#### **AFH Abstrakty príspevkov z domácich vedeckých konferencií**

AFH01 Kundracik, František 20% - Plesch, Martin 20% - Kubinec, Pavol 20% - Kováčiková, Zuzana 20% - Dörnhöferová, Renáta 20%: Úloha komplexného experimentu vo vzdelávaní žiakov základných a stredných škôl  
In: 17. Konferencia slovenských fyzikov : Zborník abstraktov. - Bratislava : FMFI UK, 2009. - S. 32  
[Konferencia slovenských fyzikov 2009. 17., Bratislava, 16.-19.9.2009]

#### **BCI Skriptá a učebné texty**

BCI01 Kundracik, František 20% - Plesch, Martin 20% - Dörnhöferová, Renáta 20% - Ševčovičová, Andrea 20% - Kubinec, Pavol 20%: Olympiáda mladých vedcov : Zbierka riešených úloh. - 1. vyd. - Bratislava : Turnaj mladých fyzikov, 2011. - 156 s.  
ISBN 978-80-970678-6-1

#### **BED Odborné práce v domácich recenzovaných zborníkoch (konferenčných aj nekonferenčných)**

BED01 Kundracik, František 25% - Plesch, Martin 25% - Dzirbiková, Z. 25% - Kubinec, P. 25%: The role of complex experiments in the education of science  
Lit. 2 zázň., 4 obr.  
In: 17th Conference of Slovak Physicists Proceedings [elektronický zdroj]. - Bratislava : Slovak Physical Society, 2009. - S. 87-88 [CD-ROM]. - ISBN 978-80-969124-7-6  
[Konferencia slovenských fyzikov 2009. 17., Bratislava, 16.-19.9.2009]

#### **DAI Dizertačné a habilitačné práce**

DAI01 Plesch, Martin 100%: Kvantové korelácie v mnohočasticových systémoch. - Bratislava : [s.n.], 2004. - 107 s.  
Doktorandská dizertačná práca (PhD.) - Univerzita Komenského, Bratislava, 2004  
Lit. 46 zázň.

#### **GHG Práce zverejnené spôsobom umožňujúcim hromadný prístup**

GHG01 Hannemann, Thilo 20% - Wunderlich, Christof 20% - Plesch, Martin 20% - Ziman, Mário 20% - Bužek, Vladimír 20%: Scrutinizing single-qubit quantum channels: Theory and experiment with trapped ions  
Popis urobený 20.11.2013  
In: arXiv.org: Quantum Physics [elektronický zdroj]. - No. arXiv:0904.0923 (2009), s. 1-13 [online]  
URL: <http://arxiv.org/pdf/0904.0923.pdf>  
*Ohlasy (2):*  
[o1] 2010 Wang, X. G. - Miranowicz, A. - Liu, Y. X. - Sun, C. P. - Nori, F.: Sudden vanishing of spin squeezing under decoherence. In: Physical Review A, Vol. 81, No. 2, 2010, Art. No. 022106 - SCI  
[o1] 2013 Wang, D. S. - Berry, D. W. - de Oliveira, M. C. - Sanders, B. C.: Solovay-Kitaev decomposition strategy for single-qubit channels. In: Physical Review Letters, Vol. 111, No. 13, 2013, Art. No. 130504 - SCI

GHG02 Plesch, Martin 25% - Dahlsten, Oscar 25% - Goold, John 25% - Vedral, Vlatko 25%: Measurement and particle statistics in the Szilard engine  
Popis urobený 20.11.2013  
In: arXiv.org: Quantum Physics [elektronický zdroj]. - No. arXiv:1203.0469 (2012), s. 1-5 [online]  
URL: <http://arxiv.org/pdf/1203.0469.pdf>

GHG03 Plesch, Martin 50% - Pivoluska, Matej 50%: Single min-entropy random source can be amplified  
Popis urobený 20.11.2013  
In: arXiv.org: Quantum Physics [elektronický zdroj]. - No. arXiv:1305.0990 (2013), s. 1-5 [online]  
URL: <http://arxiv.org/pdf/1305.0990.pdf>

#### **Štatistika kategórií (Zázňamov spolu: 26):**

ADC Vedecké práce v zahraničných karentovaných časopisoch (16)  
ADD Vedecké práce v domácich karentovaných časopisoch (1)  
AED Vedecké práce v domácich recenzovaných vedeckých zborníkoch, monografiách (2)  
AFH Abstrakty príspevkov z domácich vedeckých konferencií (1)  
BCI Skriptá a učebné texty (1)  
BED Odborné práce v domácich recenzovaných zborníkoch (konferenčných aj nekonferenčných) (1)  
DAI Dizertačné a habilitačné práce (1)  
GHG Práce zverejnené spôsobom umožňujúcim hromadný prístup (3)

#### **Štatistika ohlasov (65):**

[o1] Citácie v zahraničných publikáciách registrované v citačných indexoch (65)

19. 12. 2013