

Łukasz Rudnicki
lista publikacji
z dnia 31 października 2014

• Książki i monografie

- [1] I. Białynicki-Birula, **Ł. Rudnicki**, *Entropic uncertainty relations in quantum physics* in: "Statistical Complexity: Applications in Electronic Structure", K. D. Sen (ed.), Springer (2011), p. 1-34.

• Publikacje w czasopismach

- [2] **Ł. Rudnicki**, Z. Puchała, P. Horodecki, K. Życzkowski, *Constructive entanglement test from triangle inequality*, J. Phys. A **47** 424035 (2014).
- [3] A. Verdeny, **Ł. Rudnicki**, C. A. Müller, F. Mintert, *Optimal Control of Effective Hamiltonians*, Phys. Rev. Lett. **113**, 010501 (2014).
- [4] **Ł. Rudnicki**, Z. Puchała, K. Życzkowski, *Strong majorization entropic uncertainty relations*, Phys. Rev. A **89**, 052115 (2014).
- [5] A. Gabriel, **Ł. Rudnicki**, B. C. Hiesmayr, *Measurement-base-independent test for genuine multipartite entanglement*, New. J. Phys. **15**, 073033 (2013).
- [6] Z. Puchała, **Ł. Rudnicki**, K. Życzkowski, *Majorization entropic uncertainty relations*, J. Phys. A **46**, 272002 (2013).
- [7] D. S. Tasca, **Ł. Rudnicki**, R. M. Gomes, F. Toscano, S. P. Walborn, *Reliable Entanglement Detection Under Coarse-Grained Measurements*, Phys. Rev. Lett. **110**, 210502 (2013).
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- [9] **Ł. Rudnicki**, Z. Puchała, P. Horodecki, K. Życzkowski, *Collectibility for mixed quantum states*, Phys. Rev. A **86**, 062329 (2012).
- [10] **Ł. Rudnicki**, P. S. Moreno, J. S. Dehesa, *The Shannon-entropy-based uncertainty relation for D-dimensional central potentials*, J. Phys. A **45**, 225303 (2012).
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- [13] **Ł. Rudnicki**, S. P. Walborn, F. Toscano, *Heisenberg Uncertainty Relation for Coarse-grained Observables*, Europhys. Lett. **97**, 38003 (2012).

- [14] **Ł. Rudnicki**, P. Horodecki, K. Życzkowski, *Collective Uncertainty Entanglement Test*, Phys. Rev. Lett. **107**, 150502 (2011).
- [15] **Ł. Rudnicki**, *Shannon entropy as a measure of uncertainty in positions and momenta*, J. Russ. Laser Res. **32**, 393 (2011).
- [16] I. Białynicki-Birula, **Ł. Rudnicki**, *Entropic uncertainty relations in quantum physics* in: "Statistical Complexity: Applications in Electronic Structure", K. D. Sen (ed.), Springer (2011).
- [17] I. Białynicki-Birula, **Ł. Rudnicki**, *Time evolution of the QED vacuum in a uniform electric Field: Complete analytic solution by spinorial decomposition*, Phys. Rev. D **83**, 065020 (2011).
- [18] I. Białynicki-Birula, **Ł. Rudnicki**, *Comment on "Uncertainty relations in terms of the Tsallis entropy"*, Phys. Rev. A **81**, 026101 (2010).
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