

LIST OF PUBLICATIONS

Articles in refereed journals are preceded by ●, other full-length publications by ○, and published conference abstracts by ◇.

- C. M. Caves, C. A. Fuchs and R. Schack, *Subjective probability and quantum certainty*, Studies in History and Philosophy of Modern Physics **38**, 255 (2007).
- C. D’Cruz, T. J. Osborne and R. Schack, *A finite de Finetti theorem for infinite-dimensional systems*, Phys. Rev. Lett. **98**, 160406 (2007).
- R. Schack, *Bayesian probability in quantum mechanics*, in Bayesian Statistics 8, Proceedings of the Eighth Valencia International Meeting, edited by J. M. Bernardo *et al.*, p. 453 (Oxford University Press, Oxford, 2007).
- R. Schack, *Bayesian versus frequentist predictions in quantum tomography*, Foundations of Probability and Physics 4, edited by G. Adenier, C. A. Fuchs and A. Yu. Khrennikov, AIP Conference Proceedings Vol. 889, p. 230 (Melville, New York, 2007).
- K. G. Paterson, F. Piper and R. Schack, *Quantum cryptography: a practical information security perspective*, in Quantum Communication and Security, Proceedings, NATO Advanced Research Workshop, edited by M. Żukowski, S. Kilin and J. Kowalik, p. 175 (IOS Press, Amsterdam, 2007).
- A. J. Scott, T. A. Brun, C. M. Caves and R. Schack, *Hypersensitivity and chaos signatures in the quantum baker’s maps*, J. Phys. A **39**, 13405 (2006).
- A. N. Soklakov and R. Schack, *Bayesian updating of a probability distribution encoded on a quantum register*, Phys. Rev. A **74**, 032315 (2006).
- R. Schack, *Simulation on a quantum computer*, Informatik Forsch. Entw. **21**, 21 (2006).
- A. Scherer, A. N. Soklakov and R. Schack, *Classical predictability and coarse-grained evolution of the quantum baker’s map*, Phys. Rev. D **73**, 125009 (2006).
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- R. Schack, *Exchangeability and de Finetti's theorem: from probabilities to quantum-mechanical states*, in Bayesian Inference and Maximum Entropy Methods in Science and Engineering, edited by R. Fischer, R. Preuss and U. von Toussaint, AIP Conference Proceedings Vol. 735, p. 565 (AIP Press, Melville, New York, 2004)
- R. Schack, *Unknown quantum operations*, to appear in Quantum Theory: Reconsideration of Foundations 2, edited by A. Khrennikov (Växjö University Press, Växjö, Sweden, 2004).
- C. A. Fuchs and R. Schack, *Unknown Quantum States and Operations, a Bayesian View*, in Quantum State Estimation, edited by M. G. A. Paris and J. Řeháček, Lecture Notes in Physics **649**, p. 147 (Springer-Verlag, Berlin, 2004).
- A. Scherer, A. N. Soklakov and R. Schack, *A simple necessary decoherence condition for a set of histories*, Phys. Lett. A **326**, 307 (2004).
- C. A. Fuchs, R. Schack and P. F. Scudo, *A de Finetti Representation Theorem for Quantum Process Tomography*, Phys. Rev. A **69**, 062305 (2004).
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