
CURRICULUM VITAE

Jens Eisert

Professor of Theoretical Physics

Email: jense@physik.fu-berlin.de

Web: <http://www.physik.fu-berlin.de/en/einrichtungen/ag/ag-eisert>

Freie Universität Berlin

Arnimallee 14
14195 Berlin

PERSONAL DETAILS

- **Date of birth:** 9th of October 1970
- **Nationalities:** German and Swedish
- **Marital status:** Married, one child

ACADEMIC APPOINTMENTS

- 05/11- **Full Professor**, Dahlem Center for Complex Quantum Systems, **Freie Universität Berlin**
- 10/09-09/10 **Fellow** at the **Institute for Advanced Study Berlin** (Wissenschaftskolleg)
- 05/08-04/11 **Full Professor**, **University of Potsdam**
- 03/05-5/08 **Lecturer** (permanent), Institute for Mathematical Sciences, **Imperial College London**
- 12/02-03/05 **Junior Professor**, Quantum Optics and Quantum Information, **University of Potsdam**
- 12/02-01/03 **Visiting Scholar**, IQI, **California Institute of Technology**
- 07/01-11/02 **Feodor Lynen Fellow** in QOLS, **Imperial College London**
- 02/01-07/01 **Postdoctoral researcher** in QOLS, **Imperial College London**, supported by the EU

RESEARCH

Research interests: Quantum information theory, condensed matter theory

- Out-of-equilibrium complex quantum systems
- Entanglement theory
- Tensor networks descriptions of condensed-matter systems
- Quantum information theory
- Quantum optics and cold atoms in optical lattices
- Compressed sensing, matrix completion and quantum certification
- Quantum thermodynamics

Research talks:

- >250 invited talks at workshops, conferences, and in colloquia

Publications:

- 194 scientific refereed publications, of which
- 64 published in **Phys. Rev. Lett./Phys. Rev. X**
- 11 published in the **Nature** group
- 4 in the **Commun. Math. Phys.**

Citations:

- 10.420 citations according to Web of Science (WoS)
- 17.946 citations according to Google Scholar (GS)
- h-index 66 (GS), 52 (WoS)

AWARDS AND PRIZES

- **ERC Award** of the European Research Council, 2012
- **Institute for Advanced Study Berlin** Fellow, 2010-2011
- **European Research Young Investigator** (EURYI) Award, 2004
- **Feodor Lynen** Scholarship of the **Alexander von Humboldt Foundation**, 2001
- **Michelson Prize**, 1998
- **Sigma Pi Sigma Honour Society Award**, 1995
- **J. W. Fulbright** Scholarship, 1994

PHD

- 04/98-01/01 **PhD, University of Potsdam**, thesis advisor M. Wilkens, "*Entanglement in Quantum Information Theory*"
Final grade: **Summa cum laude**

EDUCATION

- 95-98, 91-94 **Albert Ludwigs University Freiburg**, studies in physics
Degree: **Diploma in Physics**
Final grade: **very good**
Topic of dissertation: "*Quantum Brownian Motion: A Quantum Monte Carlo Approach*"

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- 94–95 **University of Connecticut**, as a J. W. Fulbright Fellow,
postgraduate studies in mathematics and physics
Degree: **Master of Science**, GPA: **3.88**
Scientific work in applied mathematics/numerical analysis
- 81–90 **Wilhelm-von-Humboldt-High-School**, Ludwigshafen
Degree: **Abitur**, average mark: **1.0**

EDITORIAL BOARD MEMBERSHIPS AND SERVICES TO THE COMMUNITY

- *Physical Review Letters*
- *New Journal of Physics*
- *Quantum Science and Technologies*
- *Physical Review A* (term 2008-2010)
- *Journal of Physics A*
- *Quantum Information Processing* (term -2016)
- *Quantum Information and Computation*
- Coauthor and lead theory editor of the *2010 road map for quantum information science* of the EU
- Coauthor of the quantum simulations section of the *2016 road map for quantum information science* of the EU
- Member of the *QUTEQA* steering committee planning the German implementation of the *EU Flagship for Quantum Technologies*

ORGANISATIONAL SKILLS

- **TQC2016**, head organiser, major conference on quantum information, September 2016
- **Subproject leader** in EU projects QAP, QESSENCE
- Co-author and working group leader of the **COST Action MP1209** “Thermodynamics in the Quantum Regime”, since 2012
- **COST-conference**, first COST conference on quantum thermodynamics held in Potsdam, January 2014
- **QQQ-Meeting**, regular meeting in the Berlin-Potsdam academic landscape on quantum information, quantum optics, and quantum many-body theory (organizer and co-founder)
- **Summer academy of the Studienstiftung des deutschen Volkes, Görlitz 2008**, course on quantum information theory, August 2008, jointly with A. Rauschenbeutel, Mainz
- **PAQ07, head of local organizing committee**, major international conference on quantum optics and quantum information, Royal Society London, September 2007
- **Summer academy of the Studienstiftung des deutschen Volkes, Rot an der Rot 2004**, course on quantum information theory, August 2004, jointly with R. F. Werner
- **Member of many conference scientific boards**
- **IQING 2002**, organizer of an international conference for PhD students and postdocs on quantum information science in theory and experiment
- **IQING 2001**, jointly with C. Simon (Oxford) and Jonathan (Cambridge), 2001
- **YAO '99 – Young Atom Opticians**, jointly with T. Felbinger and C. Henkel (Potsdam), 1999
- **A2-Consortium For Quantum Information**, 1998 – 2001, 2003

GROUP LEADING SKILLS AND SUPPORT OF YOUNG SCIENTISTS

- **Diploma and MSc supervision:** J. Anders, B. Bach, I. Benthin, H. Bernigau, A. Friedenauer M. Friesdorf, M. Gluza, M. Goihl, D. Gross, D. Hangleiter, M. von Hase, M. Herold, J. Hoersch, A. Kegeles, J. Lekscha, A. Nietner, C. Prunkl, S. Rosset, A. Steffens, H. Wilming
- **PhD supervision:** A. Bauer, F. G. S. L. Brandao (co-supervised with M. Plenio), M. Cramer, A. Feito (co-supervised) M. Friesdorf, J. Gertis, C. Gogolin, D. Gross, M. Kesselring, K. Kieling, M. Kliesch, C. Krumnow, A. Mari, A. Nietner, M. Ohliger, E. Onorati, I. Roth, A. Serafini (long term visiting student), A. Steffens, C. Wille, H. Wilming
- **Postdoctoral researchers:** T. Barthel, N. de Beaudrap, O. Buerschaper, E. T. Campbell, M. Cramer, C. Dawson, R. Gallego, D. Gross, R. Hübener, P. Hyllus, V. Lahtinen, M. Müller, A. Nagy, V. Nesme, F. Pastawski, C. Pineda, K. Pregnell (co-supervised), A. Riera, C. Ríofrio, A. H. Werner, D. Yang, Z. Zimboras
- **Host of Humboldt-Bessel-award winners:** M. Aspelmeyer, T. Prosen
- **Host of Humboldt and Marie-Curie stipends:** L. Aolita, R. DiCandia, R. Gallego, F. Pastawski, M. J. Kastoryano, N. Ng, M. Schwarz, A. Streltsov, R. Sweke, N. Walk

LIST OF PUBLICATIONS

Jens Eisert

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Web: <http://www.physik.fu-berlin.de/en/einrichtungen/ag/ag-eisert>

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PUBLICATIONS IN HIGH IMPACT JOURNALS

This list comprises all those publications that have been published in

- *Physical Review Letters*
- *Nature Physics*
- *Nature*
- *Nature Communications*
- *Nature Photonics*
- *Nature PJ Quantum Information*
- *Physical Review X*
- *Reviews of Modern Physics*
- *Communications in Mathematical Physics*
- *Proceedings of the National Academy of Sciences*
- *Reports on Progress in Physics*

- [1] “Statistical ensembles without typicality”,
P. Boes, H. Wilming, J. Eisert, R. Gallego,
Nature Communications, in press (2018),
(Lanl e-print arXiv:1707.08218).
- [2] “Fidelity witnesses for fermionic quantum simulations”,
M. Gluza, M. Kliesch, J. Eisert, L. Aolita,
Physical Review Letters, in press (2018),
(Lanl e-print arXiv:1703.03152).
- [3] “Strong coupling corrections in quantum thermodynamics”,
M. Perarnau-Llobet, H. Wilming, A. Riera, R. Gallego, J. Eisert,
Physical Review Letters, in press (2018),
(Lanl e-print arXiv:1704.05864).
- [4] “Architectures for quantum simulation showing a quantum speedup”,
J. Bermejo-Vega, D. Hangleiter, M. Schwarz, R. Raussendorf, J. Eisert,
Physical Review X, in press (2018),
(Lanl e-print arXiv:1703.00466).
- [5] “Towards holography via quantum source-channel codes”,
F. Pastawski, J. Eisert, H. Wilming,
Physical Review Letters **119**, 020501 (2017),
(Lanl e-print arXiv:1611.07528).
- [6] “Experimental quantum compressed sensing for a seven-qubit system”,
C. A. Riofrio, D. Gross, S. T. Flammia, T. Monz, D. Nigg, R. Blatt, J. Eisert,
Nature Communications **8**, 15305 (2017),
(Lanl e-print arXiv:1608.02263).
- [7] “Combining topological hardware and topological software: Color code quantum computing with topological superconductor networks”,
D. Litinski, M. S. Kesselring, J. Eisert, F. von Oppen,
Physical Review X, 031048 (2017),
(Lanl e-print arXiv:1704.01589).
- [8] “Structure of the resource theory of quantum coherence”,
A. Streltsov, S. Rana, P. Boes, J. Eisert,
Physical Review Letters **119**, 140402 (2017),
(Lanl e-print arXiv:1705.04189).

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- [9] “Mixing properties of stochastic quantum Hamiltonians”,
E. Onorati, O. Buerschaper, M. Kliesch, W. Brown, A. H. Werner, J. Eisert,
Communications in Mathematical Physics **355**, 905 (2017),
(Lanl e-print arXiv:1606.01914).
- [10] “Equilibration via Gaussification in fermionic lattice systems”,
M. Gluza, C. Krumnow, M. Friesdorf, C. Gogolin, J. Eisert,
Physical Review Letters **117**, 190602 (2016),
(Lanl e-print arXiv:1601.00671).
- [11] “Diagnosing topological edge states via entanglement monogamy”,
K. Meichanetzidis, J. Eisert, M. Cirio, V. Lahtinen, J. K. Pachos,
Physical Review Letters **116**, 130501 (2016),
(Lanl e-print arXiv:1511.04459).
- [12] “Fermionic orbital optimisation in tensor network states”,
C. Krumnow, L. Veis, O. Legeza, J. Eisert,
Physical Review Letters **117**, 210402 (2016),
(Lanl e-print arXiv:1504.00042).
- [13] “Equilibration via Gaussification in fermionic lattice systems”,
M. Gluza, C. Krumnow, M. Friesdorf, C. Gogolin, J. Eisert,
Physical Review Letters **117**, 190602 (2016),
(Lanl e-print arXiv:1601.00671).
- [14] “Diagnosing topological edge states via entanglement monogamy”,
K. Meichanetzidis, J. Eisert, M. Cirio, V. Lahtinen, J. K. Pachos,
Physical Review Letters **116**, 130501 (2016),
(Lanl e-print arXiv:1511.04459).
- [15] “Renormalising entanglement distillation”,
S. Waeldchen, J. Gertis, E. T. Campbell, J. Eisert,
Physical Review Letters **116**, 020502 (2016),
(Lanl e-print arXiv:1503.04822).
- [16] “A positive tensor network approach for simulating open quantum many-body systems”,
A. H. Werner, D. Jaschke, P. Silvi, M. Kliesch, T. Calarco, J. Eisert, S. Montangero,
Physical Review Letters **116**, 237201 (2016),
(Lanl e-print arXiv:1412.5746).
- [17] “Equilibration, thermalisation, and the emergence of statistical mechanics in closed quantum systems”,
C. Gogolin, J. Eisert,
Reports on Progress in Physics **79**, 056001 (2016),
(Lanl e-print arXiv:1503.07538).
- [18] “Quantum many-body systems out of equilibrium”,
J. Eisert, M. Friesdorf, C. Gogolin,
Nature Physics **11**, 124 (2015),
(Lanl e-print arXiv:1408.5148).
- [19] “Many-body localisation implies that eigenvectors are matrix-product states”,
M. Friesdorf, A. H. Werner, W. Brown, V. B. Scholz, J. Eisert,
Physical Review Letters **114**, 170505 (2015),
(Lanl e-print arXiv:1409.1252).

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- [20] “Observation of non-Markovian micro-mechanical Brownian motion”,
S. Groeblacher, A. Trubarov, N. Prigge, M. Aspelmeyer, J. Eisert,
Nature Communications **6**, 7606 (2015),
(Lanl e-print arXiv:1305.1953).
- [21] “Advances in quantum teleportation”,
S. Pirandola, J. Eisert, C. Weedbrook, A. Furusawa, S. L. Braunstein,
Nature Photonics **9**, 641 (2015),
(Lanl e-print arXiv:1505.07831).
- [22] “Towards experimental quantum field tomography with ultracold atoms”,
A. Steffens, M. Friesdorf, T. Langen, B. Rauer, T. Schweigler, R. Huebener, J. Schmiedmayer, C. A. Riofrio, J. Eisert,
Nature Communications **6**, 7663 (2015),
(Lanl e-print arXiv:1406.3632).
- [23] “Reliable quantum certification for photonic quantum technologies”,
L. Aolita, C. Gogolin, M. Kliesch, J. Eisert
Nature Communications **6**, 8498 (2015),
(Lanl e-print arXiv:1407.4817).
- [24] “Cellular-automaton decoders for topological quantum memories”,
M. Herold, E. T. Campbell, J. Eisert, M. J. Kastoryano,
Nature PJ Quantum Information **1**, 15010 (2015),
(Lanl e-print arXiv:1406.2338).
- [25] “Matrix product operators and states - NP-hardness and undecidability”,
M. Kliesch, D. Gross, J. Eisert,
Physical Review Letters **113**, 160503 (2014),
(Lanl e-print arXiv:1404.4466).
- [26] “Locality of temperature”,
M. Kliesch, C. Gogolin, M. J. Kastoryano, A. Riera, J. Eisert,
Physical Review X **4**, 031019 (2014),
(Lanl e-print arXiv:1309.0816).
- [27] “Breakdown of quasilocality in long-range quantum lattice models”,
J. Eisert, M. van den Worm, S. R. Manmana, M. Kastner,
Physical Review Letters **111**, 260401 (2013),
(Lanl e-print arXiv:1309.2308).
- [28] “Wick’s theorem for matrix product states”,
R. Hübener, A. Mari, J. Eisert,
Physical Review Letters **110**, 040401 (2013),
(Lanl e-print arXiv:1207.6537).
- [29] “Precisely timing dissipative quantum information processing”,
M. J. Kastoryano, M. M. Wolf, J. Eisert,
Physical Review Letters **110**, 110501 (2013),
(Lanl e-print arXiv:1205.0985).
- [30] “Probing the relaxation towards equilibrium in an isolated strongly correlated 1D Bose gas”,
S. Trotzky, Y.-A. Chen, A. Flesch, I. P. McCulloch, U. Schollwöck, J. Eisert, I. Bloch,
Nature Physics **8**, 325 (2012),
(Lanl e-print arXiv:1101.2659).

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- [31] “Positive Wigner functions render classical simulation of quantum computation efficient”,
A. Mari, J. Eisert,
Physical Review Letters **109**, 230503 (2012),
(Lanl e-print 1208.3660).
- [32] “Quantum measurement occurrence is undecidable”,
J. Eisert, M. P. Mueller, C. Gogolin,
Physical Review Letters **108**, 260501 (2012),
(Lanl e-print arXiv:1111.3965).
- [33] “Gaussification and entanglement distillation of continuous variable systems: a unifying picture”,
E. T. Campbell, J. Eisert,
Physical Review Letters **108**, 020501 (2012),
(Lanl e-print arXiv:1107.1406).
- [34] “Extracting dynamical equations from experimental data is NP hard”,
T. S. Cubitt, J. Eisert, M. M. Wolf,
Physical Review Letters **108**, 120503 (2012),
(Lanl e-print arXiv:1005.0005).
- [35] “Cooling by heating”,
A. Mari, J. Eisert,
Physical Review Letters **108**, 120602 (2012),
(Lanl e-print arXiv:1104.0260).
- [36] “Thermalization in nature and on a quantum computer”,
A. Riera, C. Gogolin, J. Eisert,
Physical Review Letters **108**, 080402 (2012),
(Lanl e-print arXiv:1102.2389).
- [37] “Deciding whether a quantum channel is Markovian is NP-hard”,
T. S. Cubitt, J. Eisert, M. M. Wolf,
Communications in Mathematical Physics **310**, 383 (2012)
(Lanl e-print arXiv:0908.2128).
- [38] “A dissipative quantum Church-Turing theorem”,
M. Kliesch, T. Barthel, C. Gogolin, M. Kastoryano, J. Eisert,
Physical Review Letters **107**, 120501 (2011),
(Lanl e-print arXiv:1105.3986).
- [39] “Entangled inputs cannot make imperfect quantum channels perfect”,
F. G. S. L. Brandao, J. Eisert, M. Horodecki, D. Yang,
Physical Review Letters **106**, 230502 (2011),
(Lanl e-print arXiv:1010.5074).
- [40] “Absence of thermalization in non-integrable systems”,
C. Gogolin, M. P. Mueller, J. Eisert,
Physical Review Letters **106**, 040401 (2011),
(Lanl e-print arXiv:1009.2493).
- [41] “Experimental implementation of the optimal linear-optical controlled phase gate”,
K. Lemr, A. Cernoch, J. Soubusta, K. Kieling, J. Eisert, M. Dusek,
Physical Review Letters **106**, 013602 (2011),
(Lanl e-print arXiv:1007.4797).

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- [42] “Preparing the bound instance of quantum entanglement”,
J. DiGuglielmo, A. Sambrowski, B. Hage, C. Pineda, J. Eisert, R. Schnabel,
Physical Review Letters **107**, 240503 (2011),
(Lanl e-print arXiv:1006.4651).
- [43] “Directly estimating non-classicality”,
A. Mari, K. Kieling, B. Melholt Nielsen, E.S. Polzik, J. Eisert,
Physical Review Letters **106**, 010403 (2011),
(Lanl e-print arXiv:1005.1665).
- [44] “Concentration of measure for quantum states with a fixed expectation value”,
M. Mueller, D. Gross, J. Eisert,
Communications in Mathematical Physics **303**, 785 (2010),
(Lanl e-print arXiv:1003.4982).
- [45] “Holographic quantum states”,
T. J. Osborne, J. Eisert, F. Verstraete,
Physical Review Letters **105**, 260401 (2010),
(Lanl e-print arXiv:1005.1268).
- [46] “Solving frustration-free spin systems”,
N. de Beaudrap, M. Ohliger, T. J. Osborne, J. Eisert,
Physical Review Letters **105**, 060504 (2010),
(Lanl e-print arXiv:1005.3781).
- [47] “Real-space renormalization yields finite correlations”,
T. Barthel, M. Kliesch, J. Eisert,
Physical Review Letters **105**, 010502 (2010),
(Lanl e-print arXiv:1003.2319).
- [48] “Quantum state tomography via compressed sensing”,
D. Gross, Y.-K. Liu, S.T. Flammia, S. Becker, J. Eisert,
Physical Review Letters **105**, 150401 (2010),
(Lanl e-print arXiv:0909.3304).
- [49] “Area laws for the entanglement entropy”,
J. Eisert, M. Cramer, M. B. Plenio,
Reviews of Modern Physics **82**, 277 (2010),
(Lanl e-print arXiv:0808.3773).
- [50] “Most quantum states are too entangled to be useful as computational resources”,
D. Gross, S. Flammia, J. Eisert,
Physical Review Letters **102**, 190501 (2009),
(Lanl e-print arXiv:0810.4331).
- [51] “Entanglement combing”,
D. Yang, J. Eisert,
Physical Review Letters **103**, 220501 (2009),
(Lanl e-print arXiv:0907.4757).
- [52] “Gently modulating opto-mechanical systems”,
A. Mari, J. Eisert,
Physical Review Letters **103**, 213603 (2009).
(Lanl e-print arXiv:0911.0433).

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- [53] “Tomography of quantum detectors”,
J. S. Lundeen, A. Feito, H. Coldenstrodt-Ronge, K. L. Pregnell, Ch. Silberhorn, T. C. Ralph, J. Eisert, M. B. Plenio, I. A. Walmsley,
Nature Physics **5**, 29 (2009),
(Lanl e-print arXiv:0807.2444).
- [54] “Supersonic quantum communication”,
D. Gross, J. Eisert,
Physical Review Letters **102**, 240501 (2009),
(Lanl e-print arXiv:0808.3581).
- [55] “Entangled families”,
M. Aspelmeyer, J. Eisert,
Nature **455**, 180 (2008).
- [56] “Assessing non-Markovian dynamics”,
M. M. Wolf, J. Eisert, T. S. Cubitt, J. I. Cirac,
Physical Review Letters **101**, 150402 (2008),
(Lanl e-print arXiv:0711.3172).
- [57] “Exploring local quantum many-body relaxation by atoms in optical superlattices”,
M. Cramer, A. Flesch, I.P. McCulloch, U. Schollwöck, J. Eisert,
Physical Review Letters **101**, 063001 (2008),
(Lanl e-print arXiv:0805.0798).
- [58] “Quenching, relaxation, and a central limit theorem for quantum lattice systems”,
M. Cramer, C. Dawson, J. Eisert, T. J. Osborne,
Physical Review Letters **100**, 030602 (2008),
(Lanl e-print cond-mat/0703314).
- [59] “Unifying simulation methods of quantum many-body systems”,
C.M. Dawson, J. Eisert, T. J. Osborne
Physical Review Letters **100**, 130501 (2008),
(Lanl e-print arXiv:0705.3456).
- [60] “Do mixtures of bosonic and fermionic atoms adiabatically heat up in optical lattices?”,
M. Cramer, S. Ospelkaus, C. Ospelkaus, K. Bongs, K. Sengstock, J. Eisert,
Physical Review Letters **100**, 140409 (2008),
(Lanl e-print arXiv:0707.3633).
- [61] “Percolation, renormalization, and quantum computing with non-deterministic gates”,
K. Kieling, T. Rudolph, J. Eisert,
Physical Review Letters **99**, 130501 (2007),
(Lanl e-print quant-ph/0611140).
- [62] “Covariance matrices and the separability problem”,
O. Gühne, P. Hyllus, O. Gittsovich, J. Eisert,
Physical Review Letters **99**, 130504 (2007),
(Lanl e-print quant-ph/0611282).
- [63] “Novel schemes for measurement-based quantum computation”,
D. Gross, J. Eisert,
Physical Review Letters **98**, 220503 (2007),
(Lanl e-print quant-ph/0609149).

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- [64] “Statistics dependence of the entanglement entropy”,
M. Cramer, J. Eisert, M. B. Plenio,
Physical Review Letters **98** (2007),
(Lanl e-print quant-ph/0611264).
- [65] “Creating and probing macroscopic entanglement with light”,
M. Paternostro, D. Vitali, S. Gigan, M. S. Kim, C. Brukner, J. Eisert, M. Aspelmeyer,
Physical Review Letters **99**, 250401 (2007),
(Lanl e-print quant-ph/0609210).
- [66] “Gaussian quantum marginal problem”,
J. Eisert, T. Tyc, T. Rudolph, B. Sanders,
Communications in Mathematical Physics **280**, 263 (2007),
(Lanl e-print quant-ph/0703225).
- [67] “Computational difficulty of global variations in the density matrix renormalization group”,
J. Eisert,
Physical Review Letters **97**, 260501 (2006),
(Lanl e-print quant-ph/0609051).
- [68] “General entanglement scaling from time evolution”,
J. Eisert, T. J. Osborne,
Physical Review Letters **97**, 150404 (2006),
(Lanl e-print quant-ph/0603114).
- [69] “Optimizing linear optics quantum gates”,
J. Eisert,
Physical Review Letters **95**, 040502 (2005),
(Lanl e-print quant-ph/0409156).
- [70] “Entropy, entanglement, and area: analytical results for harmonic lattice systems”,
M. B. Plenio, J. Eisert, J. Dreissig, M. Cramer,
Physical Review Letters **94**, 060503 (2005),
(Lanl e-print quant-ph/0409156).
- [71] “Exact decoherence to pointer states in free open quantum systems is universal”,
J. Eisert,
Physical Review Letters **92**, 210401 (2004),
(Lanl e-print quant-ph/0311022).
- [72] “Towards mechanical entanglement in nano-electromechanical devices”,
J. Eisert, M. B. Plenio, S. Bose, J. Hartley,
Physical Review Letters **93**, 190402 (2004),
(Lanl e-print quant-ph/0311113).
- [73] “Inhomogeneous Bose-Fermi mixtures in cubic lattices”.
M. Cramer, J. Eisert, F. Illuminati,
Physical Review Letters, **93**, 190405 (2004),
(Lanl e-print cond-mat/0310705).

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- [74] “The entangling power of passive optical elements”,
M. M. Wolf, J. Eisert, M. B. Plenio,
Physical Review Letters **90**, 047904 (2003),
(Lanl e-print quant-ph/0206171).
- [75] “The entanglement cost under operations preserving the positivity of partial transpose”,
K. Audenaert, M. B. Plenio, J. Eisert,
Physical Review Letters **90**, 027901 (2003),
(Lanl e-print quant-ph/0207146).
- [76] “Distilling Gaussian states with Gaussian operations is impossible”,
J. Eisert, S. Scheel, M. B. Plenio,
Physical Review Letters **89**, 137903 (2002),
(Lanl e-print quant-ph/0204052).
- [77] “Quantum and classical correlations in quantum Brownian motion”,
J. Eisert, M. B. Plenio,
Physical Review Letters **89**, 137902 (2002),
(Lanl e-print quant-ph/0111016).
- [78] “Conditions for the local manipulation of Gaussian states”,
J. Eisert, M. B. Plenio,
Physical Review Letters **89**, 097901 (2002),
(Lanl e-print quant-ph/0109126).
- [79] “Reply: Quantum games and quantum strategies”,
J. Eisert, M. Wilkens, M. Lewenstein,
Physical Review Letters **87**, 069802 (2001).
- [80] “The asymptotic relative entropy of entanglement”,
K. Audenaert, J. Eisert, E. Jane, M. B. Plenio, S. Virmani, B. de Moor,
Physical Review Letters **87**, 217902 (2001),
(Lanl e-print quant-ph/9912080).
- [81] “Catalysis of entanglement manipulation for mixed states”,
J. Eisert and M. Wilkens,
Physical Review Letters **85**, 437 (2000),
(Lanl e-print quant-ph/9912080).
- [82] “Classical information and distillable entanglement”,
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