Dr Bruno Bertini
Curriculum Vitae

Part I — General Information

Full Name	Bruno Bertini
Date of Birth	10/12/1988
Place of Birth	Piombino, Province of Livorno, Italy
Citizenship	Italian
Address	School of Physics and Astronomy, Edgbaston, Birmingham, UK
Phone	+44 115 74 87669
E-mail	b.bertini@bham.ac.uk
Spoken Languages	Italian (native), English

Part II — Appointments

- ☐ **Proleptic Associate Professor** at the **University of Birmingham** from **April 2024**
- ☐ **Royal Society University Research Fellow** at the **University of Birmingham** from **April 2024**
- ☐ **Proleptic Lecturer** at the **University of Nottingham** **2021 - 2024**
- ☐ **Royal Society University Research Fellow** at the **University of Nottingham** **2021 - 2024**
- ☐ **Royal Society University Research Fellow** at the **University of Oxford** **2020 - 2021**
- ☐ **Postdoctoral Fellow** at the **University of Ljubljana** **2017 - 2020**
  Supervisor: *Prof. Tomaž Prosen*
- ☐ **Postdoctoral Fellow** at **SISSA**, Trieste **2015 - 2017**
  Supervisor: *Prof. Pasquale Calabrese*

Part III — Education

- ☐ **D. Phil Student** at the **University of Oxford** **2012 - 2015**
  Supervisor: *Prof. Fabian Essler*
  Degree: *D.Phil (PhD) in Theoretical Physics*
  Viva Date: *6/10/2015*
- ☐ **Allievo (Student)** at **Scuola Normale Superiore di Pisa** **2010 - 2012**
  Degree: *Diploma di Licenza in Fisica*
  Grade: *70/70 cum laude*
  Viva Date: *12/06/2013*
- ☐ **Master Student** at the **University of Pisa** **2010 - 2012**
  Supervisors: *Prof. Pasquale Calabrese and Prof. Mihail Mintchev*
  Degree: *Laurea Magistrale in Fisica Teorica (Master's Degree in Theoretical Physics)*
  Grade: *110/110 cum laude*
  Viva Date: *17/07/2012*
- ☐ **Undergraduate Student** at the **University of Pisa** **2007 - 2010**
  Supervisor: *Prof. Enore Guadagnini*
  Degree: *Laurea Triennale in Fisica (Bachelor's Degree in Physics)*
  Grade: *110/110 cum laude*
  Viva Date: *28/06/2010*

Part IV — Teaching Experience

- ☐ **Lecturer** at the **University of Nottingham** **2023**
  Course: *Quantum Dynamics with Quantum Circuits*
  (Part of the summer school New Trends in Quantum Simulation and Computation, which revolved around the simulation of condensed matter models on digital and analogue quantum devices)
  Course Length: *1 hour*
- ☐ **Lecturer** at the **GGI**, Florence **2019**
  Course: *Transport in closed one-dimensional systems*
  (Part of the PhD school SFT 2019 – Lectures on Statistical Field Theories. The school concerns subjects related to Statistical Physics and is held yearly at the Galileo Galilei Institute in Florence)
  Course Length: *6 hours*
- ☐ **Lecturer** at the **University of Ljubljana** **2019**
  Course: *Selected Topics in Theoretical Physics*
  (Part of a course teaching selected topics in theoretical physics to PhD students of all physics areas)
  Course Length: *6 hours*
- ☐ **Problem Class Tutor** at the **University of Oxford** **2013**
  Course: *C6 Theoretical Physics*
  (Theoretical physics for master students of the final year)
  Course Length: *1 Term*

Part V — Awards

- ☐ **Leverhulme Trust Grant**, [joint grant with J. P. Garrahan (Nottingham), A. Gammon-Smith (Nottingham), and I. Lesanovsky (Nottingham/Tübingen)] **2024**
  (£244,560.00)
- ☐ **Royal Society Enhanced Research Expenses** **2023**
  (£159,999.83)
- ☐ **Royal Society Enhanced Research Expenses** **2021**
  (£156,998.50)
- ☐ **Royal Society University Research Fellowship** **2020**
  (£687,942.01)
- ☐ **Marie Skłodowska-Curie Actions Individual Fellowship** **2020**
  (€212,933.76)
- ☐ **Abilitazione Scientifica Nazionale: Settore 02/A2, Fascia II** **2019**
  (Italian National Habilitation as associate professor in Theoretical Particle Physics)
- ☐ **Abilitazione Scientifica Nazionale: Settore 02/B2, Fascia II** **2019**
  (Italian National Habilitation as associate professor in Theoretical Condensed Matter Physics)
- ☐ **Selected for the master course of Scuola Normale Superiore di Pisa** **2010**
  (Selection procedure based on a highly competitive exam, giving access to additional lectures, exclusion from tuition fees, free accommodation and meals for the entire duration of the studies)

Part VI — Summary of Scientific Achievements

Product type	Number
Published Papers (Peer Reviewed)	57
Preprints	4

Citation Record

Index	Number	Source
Total Citations	2883/4508	Web of Science/Google Scholar
Average Citations per Product	55.44/75.13	Web of Science/Google Scholar
Hirsh (H) Index	30/35	Web of Science/Google Scholar

Part VII — Recent Professional Activities

☐ **Editor**

- Guest Editor: J. Phys. A special issue: "Quantum-circuit models for many-body physics out of equilibrium"
- Guest Editor: JSTAT special issue: "Emergent Hydrodynamics in Integrable Many-Body Systems"

☐ **Supervisor**

Postdocs

- From 2022: Dr. Jonathon Riddell (University of Nottingham)

PhD students

- From 2022: Molly Gibbins (University of Nottingham), co-supervised with A. Smith
- From 2021: Alessandro Foligno (University of Nottingham)

Master students

- 2022/2023: Daniel Davis and Fergus Stevens (University of Nottingham), Fourth Year Project: "Entanglement Growth in Integrable Quantum Many-Body Systems".
- 2020/2021: Christos Kourris (University of Oxford), MMathPhys Final Dissertation: "Generating many-body dynamics with ramps".
- 2020/2021: Isaac Reid (University of Oxford), MPhys Project: "Exact operator entanglement dynamics of the reduced density matrix in dual-unitary quantum circuits", co-supervised with F. Essler.
- 2019/2020: Ana Flack (University of Ljubljana), Master Thesis: "Fluctuations of the Spectral Form Factor in the Kicked Ising chain", co-supervised with T. Prosen.

☐ **Organiser**

- Programme *"Fluctuations, Entanglements, and Chaos: Exact Results"*, August 28, 2023-October 8, 2023, Simons Center for Geometry and Physics, Stony Brook USA.
- Workshop *"Quantum circuits and non-equilibrium dynamics"*, April 2023, Cambridge UK (part of the International Quantum Tensor Network initiative).
- Conference *"Emergent hydrodynamics in integrable quantum many-body systems and beyond"*, June 2020, ICTP, Trieste Italy (online).
- Trieste-Ljubljana meeting (meeting of the statistical physics groups of SISSA, ICTP, and University of Ljubljana held three times a year), 2017-2020.

☐ **Referee**

- Grant Applications for the European Research Council
- Scientific Journals: Phys. Rev. X, Phys. Rev. Lett., Phys. Rev. A, Phys. Rev. B., Phys. Rev. E, J. Stat. Mech., New J. Phys., J. Phys. A, JHEP, CMP, SciPost Physics

Part VIII — Selection of Invited Conference and Departmental Talks Since 2020

- ☐ *Exact many-body dynamics in quantum circuits via space-time duality*
  Event: Invited seminar, Cambridge, UK
  Date: May 2024
- ☐ Keynote Talk: *Entanglement Dynamics from Space-Time Duality*
  Event: Conference of the Italian Statistical Physics Society, Parma, Italy
  Date: June 2023
- ☐ *Negativity and Mutual Information after a Quench: Exact Link from Space-Time Duality*
  Event: KITP Conference: “Noisy Intermediate-Scale Quantum Systems Systems: Advances and Applications”, KITP Santa Barbara, USA
  Date: September 2022
- ☐ *Growth of Rényi Entropies in Interacting Integrable Models and the Breakdown of the Quasiparticle Picture*
  Event: Conference: “Out-of-equilibrium and collective dynamics of quantum many-body systems”, ETH Zurich, Switzerland
  Date: June 2022
- ☐ *GHD and BBGKY hierarchy*
  Event: Conference: “Integrability and Integrability Breaking”, CUNY, New York, USA (online)
  Date: April 2022
- ☐ *Duality Approach to the Spectral Statistics*
  Event: Spacetime Duality in Quantum Circuits (online), IIT Madras and IIT Tirupati, India
  Date: November 2021
- ☐ *Dual-unitary circuits: non-equilibrium dynamics and spectral statistics*
  Event: DPG meeting (online), MPIPKS Dresden, Germany
  Date: September 2021
- ☐ *Non-equilibrium dynamics in dual-unitary circuits*
  Event: SIAM Conference on Applications of Dynamical Systems (online)
  Date: May 2021
- ☐ *Hydrodynamics for systems with extensive memory*
  Event: Saturday Mornings of Theoretical Physics (online), University of Oxford, UK
  Date: April 2021
- ☐ *No need for a bath: Relaxation in isolated quantum many-body systems*
  Event: Oxford Theory Colloquium (online), University of Oxford, UK
  Date: October 2020
- ☐ *“Dual-Unitary” Circuits: an exactly solvable paradigm of Chaotic Quantum Many-Body Dynamics*
  Event: Dynamics, criticality, and universality in random quantum circuits (online), MPIPKS Dresden, Germany
  Date: September 2020
- ☐ *“Dual Unitary” Circuits: an exactly solvable paradigm of many-body quantum chaos*
  Event: Invited seminar, Ecole Normale Superiéure of Paris, France
  Date: February 2020

Part IX — List of Publications

Published Papers

The most rated journals are Commun. Math. Phys. [29], Rev. Mod. Phys. [31], Phys. Rev. X [18,28,42,50], and Phys. Rev. Lett. [3,5,6,12,15,21,30,32,38,43,44,46,48,49,52,53,54,56]. Other articles appear in Phys. Rev. B [7,8,10,17,20,24,25,36,37,41,51,55], J. Stat. Mech [1,2,4,9,11,14,35,39,45], Scipost Physics [19,22,23,33,34,40], Phys. Rev. Research [27,57], and J Phys. A Fast Track [16]. Generically the lead author is listed first and the supervising author last. The papers of which I was the main lead author are marked with an asterisk and those in which I was the main supervising author with a hash. The citations of each paper according to Web of Science (WOS) (bold), Google Scholar (GS) (italics).

[1] ∗B. Bertini, D. Schuricht, F.H.L Essler, *Quantum Quench in the Sine-Gordon Model*, J. Stat. Mech. (2014) P10035. [WOS citations **88**, GS *140*].

[2] ∗B. Bertini and M. Fagotti, *Pre-Relaxation in Weakly Interacting Models*, J. Stat. Mech. (2015) P07012. [WOS citations **64**, GS *67*].

[3] ∗B. Bertini, F.H.L. Essler, S. Groha, N.J. Robinson, *Prethermalization and Thermalization in Models with Weak Integrability Breaking*, Phys. Rev. Lett. **115**, 180601 (2015). [WOS citations **149**, GS *226*].

[4] B. Bertini, L. Piroli, P. Calabrese, *Quantum quenches in the sinh-Gordon model: steady state and one point correlation functions*, J. Stat. Mech. (2016) 063102. [WOS citations **56**, GS *72*].

[5] ∗B. Bertini and M. Fagotti, *Determination of the Nonequilibrium Steady State Emerging from a Defect*, Phys. Rev. Lett. **117**, 130402 (2016). [WOS citations **66**, GS *81*].

[6] ∗B. Bertini, M. Collura, J. De Nardis, and M. Fagotti, *Transport in Out-of-Equilibrium XXZ Chains: Exact Profiles of Charges and Currents*, Phys. Rev. Lett. **117**, 207201 (2016). [**Selected for a *Viewpoint* in Physics; Featured in Physics Today 72, 5, 22 (2019)**] [WOS citations **480**, GS *669*].

[7] ∗B. Bertini, F.H.L. Essler, S. Groha, N.J. Robinson, *Thermalization and light cones in a model with weak integrability breaking*, Phys. Rev. B **94**, 245117 (2016). [WOS citations **55**, GS *86*].

[8] ∗B. Bertini, *Approximate light cone effects in a non-relativistic quantum field theory after a local quench*, Phys. Rev. B **95**, 075153 (2017). [WOS citations **24**, GS *30*].

[9] M. Mestyán, B. Bertini, L. Piroli, and P. Calabrese, Exact solution for the quench dynamics of a nested integrable system, J. Stat. Mech. (2017) 083103. [WOS citations **53**, GS *68*].

[10] #L. Piroli, J. De Nardis, M. Collura, B. Bertini, and M. Fagotti,*Transport in out-of-equilibrium XXZ chains: non-ballistic behavior and correlation functions*, Phys. Rev. B **96**, 115124 (2017). [WOS citations **116**, GS *156*].

[11] ∗B. Bertini, E. Tartaglia, and P. Calabrese, *Quantum Quench in the Infinitely Repulsive Hubbard Model: The Stationary State*, J. Stat. Mech. (2017) 103107. [WOS citations **23**, GS *30*].

[12] ∗B. Bertini, L. Piroli, and P. Calabrese, *Universal broadening of the light cone in low-temperature transport*,Phys. Rev. Lett. **120**, 176801 (2018). [WOS citations **36**, GS *52*].

[13] ∗B. Bertini and L. Piroli, *Low-Temperature Transport in Out-of-Equilibrium XXZ Chains*, J. Stat. Mech. (2018) 033104. [WOS citations **35**, GS *56*].

[14] ∗B. Bertini, E. Tartaglia, and P. Calabrese, *Entanglement and diagonal entropies after a quench with no pair structure*, J. Stat. Mech. (2018) 063104. [WOS citations **37**, GS *57*].

[15] ∗B. Bertini, P. Kos, T. Prosen, *Exact Spectral Form Factor in a Minimal Model of Many-Body Quantum Chaos*, Phys. Rev. Lett. **121**, 264101 (2018). [**Selected for a commentary in *Journal Club for Condensed Matter Physics***] [WOS citations **175**, GS *277*].

[16] ∗B. Bertini, M. Fagotti, L. Piroli, and P. Calabrese, *Entanglement evolution and generalised hydrodynamics: noninteracting systems*, J. Phys. A: Math. Theor. **51**, 39LT01 (2018). [WOS citations **77**, GS *104*].

[17] M. Mestyán, B. Bertini, L. Piroli, and P. Calabrese, *Spin-charge separation effects in the low-temperature transport of 1D Fermi gases*, Phys. Rev. B **99**, 014305 (2019). [WOS citations **40**, GS *52*].

[18] ∗B. Bertini, P. Kos, and T. Prosen, *Entanglement spreading in a minimal model of maximal many-body quantum chaos*, Phys. Rev. X **9**, 021033 (2019). [WOS citations **133**, GS *213*].

[19] ∗V. Alba, B. Bertini, and M. Fagotti, *Entanglement evolution and generalised hydrodynamics: interacting integrable systems*, SciPost Phys. **7**, 005 (2019) [**Scipost Select**]. [WOS citations **58**, GS *80*].

[20] ∗B. Bertini, L. Piroli, and M. Kormos, *Transport in the sine-Gordon field theory: from generalized hydrodynamics to semiclassics*, Phys. Rev. B **100**, 035108 (2019). [WOS citations **41**, GS *50*].

[21] ∗B. Bertini, P. Kos, and T. Prosen, *Exact Correlation Functions for Dual-Unitary Lattice Models in 1+1 Dimensions*, Phys. Rev. Lett. **123**, 210601 (2019). [WOS citations **120**, GS *222*].

[22] ∗B. Bertini, P. Kos, and T. Prosen, *Operator Entanglement in Local Quantum Circuits I: Maximally Chaotic Dual-Unitary Circuits*, SciPost Phys. **8**, 067 (2020) [**Scipost Select**]. [WOS citations **73**, GS *119*].

[23] ∗B. Bertini, P. Kos, and T. Prosen, *Operator Entanglement in Local Quantum Circuits II: Solitons in Chains of Qubits*, SciPost Phys. **8**, 068 (2020) [**Scipost Select**]. [WOS citations **34**, GS *67*].

[24] #L. Piroli, B. Bertini, J. I. Cirac, and T. Prosen, *Exact dynamics in dual-unitary quantum circuits*, Phys. Rev. B **101**, 094304 (2020) [**Editors' Suggestion**]. [WOS citations **104**, GS *167*].

[25] ∗B. Bertini and L. Piroli, *Scrambling in random unitary circuits: Exact results*, Phys. Rev. B **102**, 064305 (2020). [WOS citations **61**, GS *96*].

[26] ∗B. Bertini and P. Calabrese, *Prethermalization and thermalization in entanglement dynamics*, Phys. Rev. B **102**, 094303 (2020). [WOS citations **12**, GS *20*].

[27] A. Flack, B. Bertini, and T. Prosen, *Statistics of the spectral form factor in the self-dual kicked Ising model*, Phys. Rev. Research **2**, 043403 (2020). [WOS citations **31**, GS *47*].

[28] #P. Kos, B. Bertini, and T. Prosen, *Correlations in Perturbed Dual-Unitary Circuits: Efficient Path-Integral Formula*, Phys. Rev. X **11**, 011022 (2021). [WOS citations **41**, GS *65*].

[29] ∗B. Bertini, P. Kos, and T. Prosen, *Random Matrix Spectral Form Factor of Dual-Unitary Quantum Circuits*, Commun. Math. Phys. **387**, 597-620 (2021). [WOS citations **40**, GS *68*]

[30] #P. Kos, B. Bertini, and T. Prosen, *Chaos and Ergodicity in Extended Quantum Systems with Noisy Driving*, Phys. Rev. Lett. **126**, 190601 (2021). [WOS citations **24**, GS *40*]

[31] B. Bertini, F. Heidrich-Meisner, C. Karrasch, T. Prosen, R. Steinigeweg, and M. Žnidarič, *Finite-temperature transport in one-dimensional quantum lattice models*, Rev. Mod. Phys. **93**, 025003 (2021). [WOS citations **180**, GS *307*]

[32] #K. Klobas, B. Bertini, and L. Piroli, *Exact Thermalization Dynamics in the "Rule 54" Quantum Cellular Automaton*, Phys. Rev. Lett. **126**, 160602 (2021) [**Editors' Suggestion**; **Selected for a *Viewpoint* in Physics**]. [WOS citations **57**, GS *84*]

[33] #K. Klobas and B. Bertini, *Exact relaxation to Gibbs and non-equilibrium steady states in the quantum cellular automaton Rule 54*, SciPost Phys. **11**, 106 (2021). [WOS citations **17**, GS *29*]

[34] #K. Klobas and B. Bertini, *Entanglement dynamics in Rule 54: exact results and quasiparticle picture*, SciPost Phys. **11**, 107 (2021). [WOS citations **22**, GS *36*]

[35] #V. Alba, B. Bertini, M. Fagotti, L. Piroli, and P. Ruggiero, *Generalized-hydrodynamic approach to inhomogeneous quenches: correlations, entanglement and quantum effects*, J. Stat. Mech. (2021) 114004. [WOS citations **73**, GS *109*]

[36] #I. Reid and B. Bertini, *Entanglement barriers in dual-unitary circuits*, Phys. Rev. B **104**, 014301 (2021). [WOS citations **25**, GS *43*]

[37] #P. Kos, T. Prosen, and B. Bertini, *Thermalization dynamics and spectral statistics of extended systems with thermalizing boundaries*, Phys. Rev. B **104**, 214303 (2021) [**Editors' Suggestion**]. [WOS citations **8**, GS *12*]

[38] E. Granet, B. Bertini, and F.H.L. Essler, *Duality between Weak and Strong Interactions in Quantum Gases*, Phys. Rev. Lett. **128**, 021604 (2021). [WOS citations **8**, GS *12*]

[39] A. Bastianello, B. Bertini, B. Doyon, and R. Vasseur, *Introduction to the Special Issue on Emergent Hydrodynamics in Integrable Many-Body Systems*, J. Stat. Mech. (2022) 014001. [WOS citations **43**, GS *73*]

[40] #E. Tartaglia, P. Calabrese, and B. Bertini, *Real-Time Evolution in the Hubbard Model with Infinite Repulsion*, SciPost Phys. **12**, 028 (2022). [WOS citations **9**, GS *18*].

[41] ∗B. Bertini, P. Kos, and T. Prosen, *Exact Spectral Statistics in Strongly Localised Circuits*, Phys. Rev. B **105**, 165142 (2022). [WOS citations **7**, GS *17*].

[42] ∗#B. Bertini, K. Klobas, V. Alba, G. Lagnese, and P. Calabrese, *Growth of Rényi Entropies in Interacting Integrable Models and the Breakdown of the Quasiparticle Picture*, Phys. Rev. X **12**, 031016 (2022). [WOS citations **28**, GS *55*].

[43] ∗B. Bertini, K. Klobas, and T.-C. Lu, *Entanglement Negativity and Mutual Information after a Quantum Quench: Exact Link from Space-Time Duality*, Phys. Rev. Lett. **129**, 140503 (2022). [WOS citations **18**, GS *35*].

[44] ∗B. Bertini, F.H.L. Essler, and E. Granet, *Bogoliubov-Born-Green-Kirkwood-Yvon Hierarchy and Generalized Hydrodynamics*, Phys. Rev. Lett. **128**, 190401 (2022) [**Editors' Suggestion**]. [WOS citations **8**, GS *12*].

[45] #C. Rylands, B. Bertini, and P. Calabrese, *Integrable quenches in the Hubbard model*, J. Stat. Mech. (2022) 103103. [WOS citations **11**, GS *15*].

[46] #C. Rylands, P. Calabrese, B. Bertini, *Exact Solution of the BEC-to-BCS Quench in One Dimension*, Phys. Rev. Lett. **130**, 023001, (2023). [**Editors' Suggestion**] [WOS citations **7**, GS *11*].

[47] #A. Foligno and B. Bertini, *Growth of entanglement of generic states under dual-unitary dynamics*, Phys. Rev. B **107**, 174311 (2023). [WOS citations **5**, GS *19*].

[48] E. Vernier, B. Bertini, G. Giudici, and L. Piroli, *Integrable Digital Quantum Simulation: Generalized Gibbs Ensembles and Trotter Transitions*, Phys. Rev. Lett. **130**, 260401 (2023). [WOS citations **2**, GS *12*].

[49] ∗#B. Bertini, P. Calabrese, M. Collura, K. Klobas, C. Rylands, *Nonequilibrium Full Counting Statistics and Symmetry-Resolved Entanglement from Space-Time Duality*, Phys. Rev. Lett. **131**, 140401 (2023). [WOS citations **0**, GS *36*].

[50] #A. Foligno, T. Zhou, and B. Bertini, *Temporal Entanglement in Chaotic Quantum Circuits*, Phys. Rev. X **13**, 041008 (2023). [WOS citations **6**, GS *28*].

[51] ∗#B. Bertini, P. Calabrese, M. Collura, K. Klobas, C. Rylands, *Dynamics of charge fluctuations from asymmetric initial states*, Phys. Rev. B **109**, 184312 (2024). [WOS citations **0**, GS *18*].

[52] ∗B. Bertini, T. Prosen, P. Kos, *Localised Dynamics in the Floquet Quantum East Model*, Phys. Rev. Lett. **132**, 080401 (2024). [WOS citations **2**, GS *14*].

[53] #C. Rylands, K. Klobas, F. Ares, P. Calabrese, S. Murciano, and B. Bertini, *Microscopic origin of the quantum Mpemba effect in integrable systems*, Phys. Rev. Lett. **133**, 010401 (2024). [**Editors' Suggestion**; **Selected for a** *Viewpoint* **in Physics**] [WOS citations **0**, GS *23*].

[54] ∗B. Bertini, C. De Fazio, J. P. Garrahan, and K. Klobas, *Exact quench dynamics of the Floquet quantum East model at the deterministic point*, Phys. Rev. Lett. **132**, 120402 (2024). [WOS citations **1**, GS *14*].

[55] #M. Gibbins, A. Jafarizadeh, A. Gammon-Smith, and B. Bertini, *Quench dynamics in lattices above one dimension: the free fermionic case*, Phys. Rev. B **109**, 224310 (2024). [WOS citations **0**, GS *2*].

[56] #A. Foligno, P. Kos, and B. Bertini, *Quantum information spreading in generalised dual-unitary circuits*, Phys. Rev. Lett. **132**, 250402 (2024). [WOS citations **0**, GS *7*].

[57] #J. Riddell, C. von Keyserlingk, T. Prosen, B. Bertini, *Structural Stability Hypothesis of Dual Unitary Quantum Chaos*, arXiv:2402.19096 (2024) [Phys. Rev. Research in print]. [WOS citations **0**, GS *1*].

Preprints

[1] #J. Riddell and B. Bertini, *Rationally independent free fermions with local hopping*, arXiv:2404.12100 (2024). [WOS citations **0**, GS *0*].

[2] #K. Klobas, C. Rylands, and B. Bertini, *Translation symmetry restoration under random unitary dynamics*, arXiv:2406.04296 (2024). [WOS citations **0**, GS *3*].

[3] #B. Bertini, K. Klobas, P. Kos, and D. Malz, *Quantum and Classical Dynamics with Random Permutation Circuits*, arXiv:2407.11960 (2024). [WOS citations **0**, GS *0*].

[4] #A. Foligno, P. Calabrese, and B. Bertini, *Non-equilibrium dynamics of charged dual-unitary circuits*, arXiv:2407.21786 (2024). [WOS citations **0**, GS *0*].