Curriculum vitae
Rouven Frassek
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Date of Birth: 10/04/1984

POSITIONS

2018–2019	Postdoctoral Researcher Max Planck Institute for Mathematics (MPIM), Bonn, Germany
2016–2018	Postdoctoral Researcher Institut des Hautes Études Scientifiques (IHÉS), Bures-sur-Yvette, France
2013–2016	Early Stage Researcher Department of Mathematical Sciences of Durham University, Durham, UK

EDUCATION

2010–2014	Research doctorate (PhD) Humboldt University of Berlin and Albert-Einstein-Institute, Germany. Final year at Durham University, United Kingdom
2004–2010	Diploma studies in Physics

	2007–2010	Humboldt University of Berlin, Germany
	2006–2007	University of Vienna, Austria
	2004–2006	Hamburg University, Germany

DEGREES OBTAINED

Doctor Rerum Naturalium in Theoretical Physics

Thesis	Q-operators, Yangian invariance and the quantum inverse scattering method
Advisor	Prof. Dr. Matthias Staudacher
Institution	Albert-Einstein-Institute and Humboldt University, Germany.
Date	28. November 2014

Diploma in Physics

Thesis	Superprotected operators in the AdS/CFT correspondence
Advisor	Dr. Nadav Drukker and Prof. Dr. Jan Plefka
Institution	Humboldt University of Berlin, Germany.
Date	24. February 2010

AWARDED FELLOWSHIPS

Nov. 2018–Oct. 2019	Max Planck Institute for Mathematics – Individual Research Grant
Nov. 2013–Oct. 2016	Marie Curie-Sklodowska – Early Stage Research fellowship
Apr. 2010–Oct. 2013	International Max Planck Research School, PhD fellowship

TEACHING ACTIVITIES

Tutorials	Group Theory, Michaelmas term 2015, Durham University
Tutorials	Standard Model, Michaelmas term 2014, Durham University
Tutorials	Group theory, Michaelmas term 2014, Durham University
Tutorials	Single Math A, Easter term 2014, Durham University
Exercises	Linear Algebra and Analytic Geometry, Winter term 2012, Humboldt University
Tutorials	Mathematical Foundations, Winter term 2011, Humboldt University

ORGANISATION OF SCIENTIFIC MEETINGS

2015 Organising committee, Young researchers integrability school, Durham, UK

2018 Local organising committee, Driving solution for Science in Business, Saclay, FR

PROFESSIONAL SERVICES

Referee for	- Journal of Physics A
	- Journal of High Energy Physics
Guest editor for	- Special Issue in Journal of Physics A

An integrability primer for the gauge-gravity correspondence,
J. Phys. A: Math. Theor. 49 (2016) 320301

INSTITUTIONAL RESPONSIBILITIES

Oct. 2015 - Nov. 2016	Board of Studies (Postdoctoral representative)
	Department of Mathematical Sciences, Durham
Oct. 2014 - Nov. 2016	Organisation of local HEP seminar, Durham
Oct. 2013 - Apr. 2014	Organisation of HEP journal club, Durham
May 2014 - Jun. 2014	Organisation of an integrability discussion group, Durham

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- Member of the *Marie Curie Alumni Association (MCAA)*
- Member of the *Deutsche Physikalische Gesellschaft (DPG)*

SOFT SKILL TRAININGS

- Career development training by Sanja Stevic at DESY, Hamburg
- GATIS outreach workshop at Filmstudios Babelsberg in Potsdam
- Presentation skills workshop by Elena Kaufman at DESY, Hamburg
- Writing skills workshop by Annelie Wendeberg at DESY, Hamburg
- Science communication workshop by SISSA Medialab in London

MAJOR COLLABORATIONS

- Vasily Pestun (Integrable models and supersymmetric gauge theories),
  Institut des hautes études scientifiques, France
- Matthias Staudacher ($\mathcal{N} = 4$ super Yang-Mills theory and Q-operators),
  Humboldt Universiy of Berlin, Germany
- Vladimir Bazhanov (Integrable models)
  Australian National University, Australia

TALKS AT CONFERENCES AND WORKSHOPS

Sep. 2018   Baxter Q-operators and some new solutions to the Yang-Baxter equation,
             Recent Advances in Quantum Integrable Systems (RAQIS)
             Annecy, France

Oct. 2017   Representations of Yangians and Baxter Q-operators,
             Paris postdoc welcome day,
             IHES, France

Nov. 2015   Q-operators for closed and open spin chains,
             North British Mathematical Physics Seminar,
             Durham University, United Kingdom

Jun. 2014   Q-operator construction for rational homogeneous closed spin-chains,
             Finite-size Technology in Low Dimensional Quantum Systems (VII),
             Eötvös Loránd University, Hungary

Apr. 2014   Bethe ansatz for Yangian invariants: Towards scattering amplitudes,
             Integrable Structures in Scattering Amplitudes,
             Durham University, United Kingdom

Mar. 2014   Bethe ansatz for Yangian invariants: Towards scattering amplitudes,
             North British Mathematical Physics Seminar,
             Heriot-Watt University Edinburgh, United Kingdom

Aug. 2013   Bethe ansatz for Yangian invariants: Towards scattering amplitudes,
             Integrability in Gauge and String Theory,
             Utrecht University, Netherlands

Aug. 2012   From Q-operators to local charges,
             International Congress in Mathematical Physics (YRS),
             Aalborg, Denmark

INVITED SEMINARS

Mar. 2018   Baxter Q-operators for rational spin chains,
             ENS Lyon, France

Nov. 2017   On-shell diagrams from integrability,
             University of Freiburg, Germany

Nov. 2016   Q-operators for the open Heisenberg chain,
             IPhT, CEA-Saclay, France

Oct. 2016   Q-operators for the open Heisenberg chain,
             University of York, United Kingdom

Mar. 2016   Q-operators for the open Heisenberg chain,
             Humboldt University of Berlin, Germany

Mar. 2016   Q-operators for the open Heisenberg chain,
             Heriot-Watt University Edinburgh, United Kingdom

Feb. 2016   Q-operators for the open Heisenberg chain,
             Niels Bohr Institute Copenhagen, Denmark

Feb. 2016   Q-operators for the open Heisenberg chain,
             University of Leeds, United Kingdom

Jan. 2016   Q-operators for the open Heisenberg chain,
             University of Wuppertal, Germany

Mar. 2015   Spin chains, Q-operators and the Bethe ansatz,
             University of Birmingham, United Kingdom

Feb. 2015	Q-operator construction for rational closed spin chains, University of York, United Kingdom
Nov. 2013	Bethe Ansatz for Yangian invariants: Towards Scattering Amplitudes, Durham University, United Kingdom
Jun. 2013	Yangian invariants, spin-chains and the algebraic Bethe ansatz, IPhT, CEA-Saclay,France
Mar. 2013	Yangian invariants, spin-chains and the algebraic Bethe ansatz, Eötvös Loránd University, Hungary

POSTERS

Aug. 2018	Q-operators for one-loop $\mathcal{N} = 4$ super Yang-Mills theory Integrability in String and Gauge Theory, Copenhagen, Denmark
Apr. 2018	Q-operators for one-loop $\mathcal{N} = 4$ super Yang-Mills theory Workshop on higher-point correlation functions and integrable AdS/CFT, Dublin, Ireland
Aug. 2012	From Q-Operators to Local Charges Integrability in Gauge and String Theory, Zürich, Switzerland