



12 July 2003 | Latvian (EU) | ☎ +371 29 39 51 83 | e-mail: mkenins@student.ethz.ch
ETH Zürich, D-MATH, Rämistrasse 101, 8092 Zürich, Switzerland | Webpage: <https://www.mgk.ac>

Education.

- Sep. 2026 – now : MSc Mathematics, ETH Zürich, Switzerland
Sep. 2023 – July 2026 : BSc Mathematics, University of Groningen, the Netherlands
Summa cum laude, grade 9.3/10, thesis 9.5/10
Sep. 2022 – July 2026 : BSc Physics, University of Groningen, the Netherlands
Summa cum laude, grade 9.3/10, thesis 9.5/10
Jan. 2023 – June 2025 : Honours College excellence programme, University of Groningen, the NL
Sep. 2019 – July 2022 : High school diploma, Riga State Gymnasium No. 1, Latvia

Publications and preprints.

- [1] Kēniņš M. G. and Kiselev A. V. (2026) Explicit class of finite-dimensional polynomial algebras with Wronskians over $\mathbb{R}^d$ as N -ary Lie brackets: Beyond $\mathfrak{sl}(2)$. *Preprint* [arXiv:2605.27305](https://arxiv.org/abs/2605.27305) [math.RA].
[2] Kēniņš M. G. and Kiselev A. V. (2026) Iterate Wronskians over $\mathbb{R}^d$ as N -ary brackets on $\mathbb{R}[x^1, \dots, x^d]$: the N -bonacci numbers bound the highest total degrees *Preprint* [arXiv:2607.26039](https://arxiv.org/abs/2607.26039).
[3] Kēniņš M. G. (2025) Multivariable analysis. *Lecture notes*. URL: mgk.ac/teach/mva.pdf
[4] Kēniņš M. G. (2024) Special relativity. *Supplementary lecture notes*. URL: mgk.ac/teach/mnr.pdf
[5] Kēniņš M. G. (2024) Electrostatics. *Supplementary lecture notes*. URL: mgk.ac/teach/enm.pdf

Talks at seminars, symposia, and international conferences.

Mathematics.

- 13 July 2026 : 36th International Colloquium on Group Theor. Methods in Phys., Valladolid, Spain.
Based on [\[arXiv:2605.27305\]](https://arxiv.org/abs/2605.27305) *Slides:* mgk.ac/res/grp36.pdf
16 June 2026 : Bernoulli Institute Algebra Seminar, University of Groningen, the Netherlands

Natural sciences.

- 23 June 2025 : Honours Closing Symposium, University of Groningen, NL
14 Apr. 2025 : Talk at lecture ‘Physics lab: research project’, University of Groningen, NL
25 June 2024 : Physics, Astronomy, and Mathematics Symposium, UG, NL (*Plenary & poster talk*)
24 June 2024 : Honours Closing Symposium, University of Groningen, NL
19 Oct. 2023 : Computational Biotech. group talk, Groningen BBB Institute, UG, NL
11 May 2022 : Regeneron International Science and Engineering Fair, Atlanta, GA, USA
16 July 2022 : IBO IGP Conference, Yerevan State University, Armenia
25 Mar. 2022 : Latvian Conference of Student Research, University of Latvia, Riga, Latvia

Employment.

- Jan. 2026 – now : **Research Intern:** Dr. hab. Arthemy V. Kiselev. a.v.kiselev@rug.nl
Sep. 2025 – July 2026 : **Teaching Assistant: Mathematics** (6 BSc courses, sems. II–IV.)
Sep. 2024 – July 2026 : **Teaching Assistant: Physics** (12 BSc courses, semesters I–V)
Nov. 2023 – Aug. 2026 : Research Intern: Prof. Dr. Thomas L. C. Jansen. t.l.c.jansen@rug.nl
Jan. 2023 – Oct. 2023 : Research Intern: Dr. Maximilian J.L.J. Fürst. m.j.l.j.furst@rug.nl
Aug. 2020 – May. 2022 : Research Intern: Dr. Jānis Liepiņš. janis.liepins@lu.lv

Teaching: Mathematics. (2026) Geometry (sem. IV); (2025) Multivariable Analysis (III), Complex Analysis (III), Metric & Topological Spaces (III), Calculus 2 (III, for CS), Linear Algebra (II, CS).

• **Teaching Assistant of the Year, Mathematics, 2025/2026**, University of Groningen, NL.

Teaching: Physics. (2026) Electricity & Magnetism (II), ODEs (II), Comp. Methods 1 (II), Phys. Lab 2 (II); (2025) Advanced Mechanics (V), Fundamentals of Electronics (IV), Electricity & Magnetism (III, BME), Electricity & Magnetism (II), Phys. Lab 2 (II), Mechanics & Relativity (I); (2024) Comp. Methods 2 (III), Mechanics & Relativity (I).

University competitions. (2026) PLANCKS (*par.*); (2025) PION (2nd place); (2024) PION (2nd bachelor), Univ. Phys. Competition (**silver**), Phys. Brawl Online (35/233); (2023) PION (*par.*).

High school Olympiads. (2022) IBO (**bronze**), ISEF (*par.*), (2021) IBO (**bronze**). *National:* (2022) LV Physics Teams Ol. (**gold**), LV Open Physics Ol. (**merit**), Riga State Physics Ol. (**merit**); (2019) LV Open Mathematics Ol. (**bronze**). AND 29 OTHER GOLD, SILVER, BRONZE MEDALS.