Viktor Frederik Majewski

	Research Interest Curriculum Vitae
Differential Geometry	gauge theory, moduli problems in differential geometry, special holonomy spaces, special (higher) geometric structures, symplectic geometry
	(derived) $C^{\infty}-geometry, categorification of geometry, homological algebra, moduli problems in algebraic geometry$
Analysis	Fredholm theories for elliptic operators on orbifolds
Physics	axiomatic approaches to quantum field theories, String-, M - and F -theory, general realtivity
	Education
2022–20(25)	PhD in Mathematics, Humboldt-University, Berlin
2019-2022	Master of Science Mathematics, Georg-August-University, Göttingen
2017-2019	Bachelor of Science Mathematics, Georg-August-University, Göttingen
2016–2021	Bachelor of Science Physics, Georg-August-University, Göttingen
	Employment
2024	Research Stay , <i>SLMath</i> , research stay during the semester program: Special Geometric Structures and Analysis, invited by Prof. Jason Lotay
2022-2025	BMS scholarship holder, BMS, Berlin
2021–2021	Tutor , Georg-August-University, Göttingen Tutor for the course Mathematics for Physicists II by Prof. Dr. Ralf Meyer
2020–2021	Tutor , <i>Georg-August-University</i> , Göttingen Tutor for the course <i>Differential Geometry and Gauge Theory I</i> by Prof. Dr. Victor Pidstrygach
2020–2020	Tutor , Georg-August-University, Göttingen Tutor for the course Analysis II by Prof. Dr. Dorothea Bahns
2019–2020	Tutor , Georg-August-University, Göttingen Tutor for the course Analysis I by Prof. Dr. Dorothea Bahns
	Puplications and Preprints
2024	Dirac Operators on Adiabatic Ricci-Flat Orbifold Resolutions, preprint
2024	Resolutions of Spin(7)-Orbifolds, preprint
	Work in Progress
2024	Spin(7)-Instantons on Resolutions of Spin(7)-Orbifolds I: (Construction)
2024	Spin(7)-Instantons on Resolutions of Spin(7)-Orbifolds II: (Moduli Space)

2025 Cayley Submanifolds on Resolutions of Spin(7)-Orbifolds

- 2025 Construction/Classification of Product-Type Spin(7)-Orbifolds and their Resolutions
- 2025 Resolution of Quaternionic- and Hyperkähler Orbifolds

Social Engagement

2022-2023 BMS Student Representative, BMS, Berlin

Talks and Conferences

- 2024 , Berkeley
- 2024 , Berkeley
- 2024 , Berkeley
- 2024 , Berkeley
- 2024 , Durham
- 2024 , Rio de Janiero
- 2023 , Stoney Brook
- 2023 , New York
- 2023 , Inverness
- 2023 , Oxford
- 2022 , Berkeley
- 2022 , Freiburg
- 2022 , Stoney Brook
- 2022 , New York
- 2020 , online