Alexander Elzenaar

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The University of Auckland, New Zealand

EDUCATION

	 MSc. in mathematics Thesis topic: Deformation spaces of Kleinian groups Advisors: Dist. Prof. Gaven Martin (NZ Inst. of Adv. Study, Massey Uni.), Dr. Jeroen Schillewae 	2021 – ongoing rt
	 BSc. (hons) in mathematics with first class honours Dissertation: Toric varieties Advisor: Dr. Jeroen Schillewaert 	2020
	Certificate in LanguagesRussian and Ancient Egyptian	2020
	 BSc. in mathematics Between 2016 and early 2019, I was enrolled in a conjoint Mathematics (BA)/Physics (BSc) degree Exchange student at the University of Toronto, 2018 fall semester The University of Canterbury, New Zealand 	2017 – 2019 ee
	 STAR programme First year university mathematics program for secondary school students 	2016
RESEARCH	The University of Auckland, New Zealand	
EXPERIENCE	 Research assistant (Professional Casual Staff) Studying properties of the real algebraic variety of spherical (t, t)-designs Supervisor: Dr. Shayne Waldron 	2020 – 2021
	 Summer research project in Mathematics Project: Numerical construction of spherical (t, t)-designs Advisor: Dr. Shayne Waldron 	2019 – 2020
TEACHING AND	The University of Auckland, New Zealand	
MARKING EXPERIENCE	 Tutor and marker in the Department of Mathematics Tutoring and marking: single- and multi-variate calculus; complex calculus; linear algebra; logic and proofwriting; mathematics for computer science; computational mathematics; mathematics for non-mathematicians (infinities, topology, fractals); real analysis 	
PUBLICATIONS	[1] <u>A. Elzenaar</u> , G. Martin, and J. Schillewaert, "Approximations of the Riley slice" (preprint), arXiv:2111.03230 [math.GT], 2021.	
AWARDS &	 University of Auckland Department of Mathematics Student Research Conference priz 	e 2021
SCHOLARSHIPS	 University of Auckland Postgraduate Honours / PG Diploma Scholarship 	2020
	 University of Auckland Summer Research Scholarship 	2019 - 2020
	 University of Auckland Faculty of Arts Deans List 	2017
	 NZQA Outstanding Scholar Award Limited to top 40–60 secondary school students in New Zealand 	2016
PROFESSIONAL AFFILIATIONS	New Zealand Mathematical Society, Student member	

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