



Universiteit
Leiden
The Netherlands

Logarithmic approach to the double ramification cycle

Schwarz, R.M.

Citation

Schwarz, R. M. (2023, December 7). *Logarithmic approach to the double ramification cycle*. Retrieved from <https://hdl.handle.net/1887/3665965>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3665965>

Note: To cite this publication please use the final published version (if applicable).

Acknowledgements

Firstly, I want to thank David, for convincing me to do a PhD, and for all the support during the last years. I am grateful that you kept our meetings so regular, even when or especially when I felt nonproductive and wanted to say ‘nothing to report’. I am happy that we could talk about work and other (neighbourly) things in life in quite equal amounts. Thank you for always taking the time to give carefully formulated advice.

I want to thank Bas Edixhoven, for his support and saying the memorable words ‘nietje erdoor en lintje eromheen’ at a time where I needed it most. And of course Ronald, for taking over from Bas so smoothly.

Pim, you are an amazing little PhD-brother to have, and I remember my Disney-musical education fondly. Raymond, my PhD-predecessor, thank you for always having faith in us. Mia, Vera, Nandan and Javier; thank you for joining me in organising so many fun PhD colloquia.

To my teaching assistants, thank you for making the education part one of the most enjoyable parts of the PhD trajectory. A special mention for Wim and Tessa; thank you for not only the good time we had, but also for making the teaching so much easier for me.

To Mark, you know your tea is the best in the institute, and your office was by far my favorite place to distract people from work. Thank you for the painting, the complaining, the encouragement, the support and your (misplaced or not) believing that I could do anything. Heleen, I really missed our perfectly streamlined mathematical collaboration during this time, but I am glad we could work on our homes together.

Laura, my proud cofounder of MI gets crafty, your presence always cheered me up and walking by your office was reason enough to come to the institute at all. Especially when Michelle joined you and there was double the chance of a brightening of my day. Michelle, thank you for the immense support during the last stretch of my PhD trajectory. To all members of MI gets crafty; thank you for giving me a reason to go to the institute, and when corona happened,

a weekly online hour to look forward to for the rest of the week.

I want to thank my parents for never failing to tease me with the question ‘how is your thesis going?’ and thus making the pressure of it ever a bit lighter. I want to thank my sister for telling my parents off about asking that, and her never wavering support besides. I am absolutely immensely grateful to Aslan, but most of all Snorkie: I made most my thesis (ergonomically responsibly) with you on my lap, and I couldn’t have done it without you.

Curriculum Vitae

Rosa Schwarz was born on the 3rd of August 1994 in Delft. In 2012, she finished her bilingual gymnasium education at the Grotius College in Delft. She chose to study mathematics at the Universiteit Leiden directly afterwards. In 2015 she finished her bachelor's degree in mathematics summa cum laude, and in 2018 her master's degree in algebraic geometry, also summa cum laude. Her master thesis titled 'Gromov-Witten invariants of the classifying stacks of principal \mathbb{G}_m -bundles' was nominated for the annual ASML mathematics award from 'de hollandsche maatschappij der wetenschappen'. During her studies, Rosa was also a teaching assistant at the Mathematical Institute in several courses.

Directly after her studies, Rosa started doing a PhD under the supervision of dr. David Holmes. The AIM workshop *Double ramification cycles and integrable systems* in October 2019 played a key role for the collaboration and the start of her first paper 'Pixton's formula and Abel-Jacobi theory on the Picard stack' which is joint work with Younghan Bae, David Holmes, Rahul Pandharipande, and Johannes Schmitt. She attended several international conferences including *Recent Advances in Moduli Spaces of Curves* conference in Leysin in March 2022 and *Young Women in Cohomological Methods in Geometry* conference in Freiburg Im Breisgau in April 2022, where she also gave talks. In February 2023 she was an invited speaker at *Logarithmic geometry and moduli spaces* conference in Frankfurt am Main.

Rosa also continued assisting courses taught in Leiden and was jointly responsible for the workshop educating new teaching assistants at the Mathematical Institute. She organised several activities at the Mathematical Institute, organising PhD colloquia for the group of PhDers as a member of the organising committee, as well as organising 'MI gets crafty' hours for any interested member of the MI.