



Universiteit
Leiden
The Netherlands

Counting curves and their rational points

Spelier, P.

Citation

Spelier, P. (2024, June 12). *Counting curves and their rational points*.

Retrieved from <https://hdl.handle.net/1887/3762227>

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/1887/3762227>

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

Acknowledgements

First and foremost, I want to thank my supervisor, David Holmes, for being patient, kind, and helpful throughout these past four years. I could always come with you for a question, you'd stare into the distance for a while, and quickly give an insightful and clever answer. You were patient with me in the beginning when I needed that, acted a bit stern when I needed *that*, and were always, always kind. You have been a big inspiration, both mathematically and meta-mathematically, and I can only hope you enjoyed our conversations as much as I have.

Bas, thank you for your support. You helped me get where I am today, and I fondly look back at our conversations. And Ronald, thanks for stepping in as my promotor, and all the help.

I want to thank my co-authors Alex Betts, Juanita Duque–Rosero and Sachi Hashimoto. I could thank you for so many things, but above all I thank you for making it such an enjoyable process.

I also want to thank all the other PhD'ers I met along the way. Special mentions go to Rosa, my PhD sister, who helped me with the non-mathematical parts of being a PhD student, such as baking and climbing trees. Mark and Daan, for the many enjoyable days spent on applied game theory. And Daan, Georgios, Jesse and Onno, my office mates, for enriching my days at the MI.

Next, I want to thank my other friends. I much enjoyed the time we spent together, whether that was talking, bouldering, board games, singing, or anything else. In particular, I want to thank Deavid, for being there for me when I needed it most. And Jonas, for showing me there is also a world outside of mathematics to care about.

I want to thank Jan, for designing the wonderful cover of this thesis.

Ten slotte, wil ik mijn vader, en mijn zus Sacha bedanken. Mijn vader, voor het moeten aanhoren van wiskundemonologen sinds dat ik kan herinneren, en me desalniettemin nog steeds te steunen, en Sacha, voor alle positiviteit die je de wereld in gooit, en voor alle support door de jaren heen.

Curriculum Vitae

Pim Spelier was born on 3 September 1999 in Utrecht and grew up in The Hague. Between 2011 and 2016 he attended Gymnasium Sorghvliet. During this time he also attended the International Linguistics Olympiad, the International Olympiad in Informatics and the International Mathematics Olympiad, obtaining a bronze medal. In 2016 he started his double bachelor's Mathematics and Computer Science at Leiden University. He obtained the Encouragement award by the Royal Netherlands Academy of Arts and Sciences for his first year of studies. In 2018 he obtained his bachelor's degree Mathematics and Computer Science, graduating summa cum laude. In 2020 he finished his master's degree Mathematics, summa cum laude. For his master's thesis, *A geometric approach to linear Chabauty*, supervised by Bas Edixhoven, he was awarded the ASML graduation award by the Koninklijke Hollandse Maatschappij der Wetenschappen.

During his studies he also participated in various programming competitions. In 2019 he made the World Finals of the International Collegiate Programming Competition in a team with Onno Berrevoets en Daan van Gent, and he won the North West European Regional Contest in a team with Ludo Pulles and Reinier Schmiermann. In 2021 he obtained 10th place in the ICPC World Finals Invitational in a team with Freek Henstra and Mike de Vries.

In 2020 he started with a PhD under supervision of prof. David Holmes, working on logarithmic moduli spaces and continuing with the arithmetic geometry started in his master's thesis.

In September 2024 he will start his new job as a postdoctoral researcher at Universiteit Utrecht, continuing his previous work on enumerative geometry and working on the project "Counting surfaces on Calabi–Yau 4-folds."