



Universiteit
Leiden
The Netherlands

Adapted deformations and the Ekedahl-Oort stratifications of Shimura varieties

Yan, Q.; Yan Q.

Citation

Yan, Q. (2017, October 18). *Adapted deformations and the Ekedahl-Oort stratifications of Shimura varieties*. Retrieved from <https://hdl.handle.net/1887/56255>

Version: Not Applicable (or Unknown)

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

Downloaded from: <https://hdl.handle.net/1887/56255>

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

Cover Page



Universiteit Leiden



The handle <http://hdl.handle.net/1887/56255> holds various files of this Leiden University dissertation

Author: Yan, Qijun

Title: Adapted deformations and the Ekedahl-Oort stratifications of Shimura varieties

Date: 2017-10-18

Acknowledgment

I would like to thank my supervisor Fabrizio Andreatta for proposing to me the topic of this thesis, for numerous discussions in past years, for his interest in this work, and for his unceasing encouragement.

I would like to thank my supervisor Bart de Smit for mathematical discussions, for encouraging me to pursue my own interest, for his great trust in me, and also for his help with many of the formality works.

I would like to thank Bas Edixhoven for the many hours of discussions on the thesis, for his valuable comments and helpful suggestions on the writing of the thesis, and for teaching me how to be a researcher in mathematics.

I would like to thank Zhang Chao for his help with the application of ALGANT Doctorate fellowship, for this nonofficial supervision of the thesis, and for the work in his own thesis upon which this one is based.

I would like to thank Ulrich Görtz for the helpful discussions during my visits to Essen (2016 and 2017 respectively), and for his interest in this thesis. I would also like to thank him and Haifeng Wu for their hospitality during my stay in Essen.

I would like to thank ALGANT for the funding, that provided me with the opportunity to meet experts in various conferences. The growth of this paper in particular, benefits from discussions with many mathematicians, including Ching-Li Chai, Luc Illusie, Mark Kisin, Torsten Wedhorn, etc.

I would like to thank my friends in Leiden and in Milan for the happy time we had together: Abtien, Albert, Carlo, Carolina, Catalina, Claudia, Chen Yi, Chloe, Davide, Dino, Djordjo, Erik, Fan Yangyu, Francesca, Gao Fengnan, Gao Ziyang, Garnet, Giulio, Jeff, Jia Xingni, Jinbi, Julian, Kong Derong, Mattia, Maxim, Mima, Liu Junjiang, Lin Pin-Hsuan, Olga, Raymond, Rosa, Simone, Tomo, Yan Shuang, Yasir, Zhang Feng, Zhuang Weidong, and many others.

I would like to thank many of my roommates in the past years: Camilla, Chen Xueyu, Hailemichael, Li Channa, Meseret, Patrick, Xie Rui, Yang Kaifeng, Wang Anlan, Zhao Depeng, and Zhao Yan. I want to specially thank Zhao Yan for having also been a good chef for more than two years, and for helping me in so many aspects of life.

Last but not least, I want to thank my wife Zheng Yue, for her unwavering support and constant encouragement over all these years.

Curriculum Vitae

Qijun Yan was born on 8th June 1987 in Jishan, Shanxi, China.

In 2006, he moved to Beijing to start his bachelor in mathematics at Capital Normal University. In 2010, he obtained his bachelor diploma and started his master in the same university. In 2013, he obtained his master degree. He wrote his master thesis “Is a group scheme of finite order annihilated by its order?” under the supervision of Ke-Zheng Li in Capital Normal University.

In 2013, he was awarded an ALGANT-Doctorate fellowship and then he moved to Europe for his PhD study, at Universiteit Leiden and Università degli Studi di Milano, under the supervision of Bart de Smit and Fabrizio Andreatta.

