## D. School 77

## Chapter 77 - Perelman

The interaction between boys and girls generally has to go through a number of major stages. The first stage must be able to speak, the girls should be contracted out, and the second stage must achieve the achievement of physical contact. As for the third stage, it is overthrown. Lu Qiujian has now completed the first two steps, as for the third item is not urgent.

Just as he and Natalie Qingqing and I were together, Professor Nan received a new email. The publisher of the email was Gregory Perelman. "Well? Did Grisha make any more achievements?" Professor Nan opened the mail with a little envy:

Dear Nan,

Could you please take a look at my new paper, I proposed a monotone of i-flow, which holds in all dimensions without the assumption of curvature ... If I find nothing wrong, I plan to publish it on the arXiv math website.

**Gregory Perelman** 

Seems to have crashed a bit! Poor Grisha, researching crashes often happens in academia. Unexpectedly, it was his friend Grisha 's turn this time. Professor Nan saw at a glance that his thesis seemed to be similar to Lu Qiujian 's. Risha has not completely completed the proof of Poincaré conjecture, but just found a breakthrough; but from the ideas revealed in this article, Grisha will complete Poincaré conjecture sooner or later.

What a pity! But the cruelty of academia is here, people usually only their first breakthrough, and the rest will only become their foil. After considering for a moment, Professor Nan began to reply:

Dear Grisha,

I have finished reading your thesis, a very wonderful article, and I sincerely congratulate you on your achievements; but I still regret to tell you that a third-year Princeton student has completed this proof before you. And he went further than you. He has completely completed the proof of Poincaré's conjecture. The summary of the paper will be published in the next issue of "Science", and all the papers will also be published in the "Annual Mathematics". If you are interested, you can find it after the publication of the journal.

Of course, if you are willing to communicate with Lu Qiujian, the student who broke the Poincaré conjecture, I am very willing to help you establish contact.

Finally, I hope you will not lose your fighting spirit because of this blow, and will be able to achieve greater breakthroughs in the future.

## Your friend, Nan

The mail soon came to the other side of the earth through the Internet. The distant Moscow was now in the snow and ice. Gregorian-Yakovlevich-Perelman was eating Beverly Yogurt yogurt in front of the computer. He has been holding cold and hard brown bread for more than ten years.

People who know him like Professor Nan usually call him Grisha. Grisha became interested in mathematics when she was 4 years old. When other children had fun, he ate a math book alone; at the age of 16, he entered the famous St. Petersburg No. 239. This school has always used advanced mathematics. He is well-known for teaching physics and participated in the International Mathematical Olympiad as a high school student in the first year of entering 239 Middle School and won a gold medal with a score of 42 points.

Everyone knows that this genius has an immeasurable future. The American people immediately provided him with a generous scholarship, but he declined the invitation to study in the country.

After graduating from high school, he entered the University of St. Petersburg and became a member of the St. Petersburg School founded by Chebyshev. After receiving his doctorate, he visited the Courant Institute of New York University in the United States, and then went to the State University of New York at Stony Brook. During this period, he met with Professor Nan.

After the visit, he returned to St. Petersburg and continued to work "quietly" at the Stoklov Institute. No one knows what he is doing in the solitary group; he never made such a big breakthrough silently.

The sound of the new mail arrived, and Perelman smiled when he saw the name of Professor Nanami in the sender's position, speeding up the speed of eating brown bread.

How did he reply so quickly? With a trace of doubt, Perelman opened Professor Nan's email, and the content of the email suddenly caused her a huge blow. Unexpectedly, the results of his

dedication for many years have been made by others in advance, and the excited Perelman immediately responded to the letter and asked Professor Nan for the paper.

After obtaining the consent of Lu Qiujian, Professor Nan sent the email in the past. Anyway, after experiencing the matter of Professor Ferrig, the honor of cracking the Poincaré conjecture has fallen on Lu Qiujian's head. Don't worry about others problem.

It really is the same as mine! It's a pity that I was one step late! Lu Qiujian's next steps were beyond Perelman's expectations. If he were to do it, he would probably use the same method as Lu Qiujian.

God, do you really want me to retire so early? After completing the cracking of Poincaré's conjecture, Perelman, who launched the mathematics world, was entangled. What should I do next?

I do n't know when he will give a public report, so I must check it out, but travel expenses are a big problem! The Stokolov Institute is not a place where high salaries can be provided That little salary was used by him to purchase various journals and research facilities. Perelman has also been for many years. Did not save much savings.

It would be nice if he was willing to put it in Europe, at least it could be a little cheaper. Forget it, this is not something that can't be solved, wait until the news is received! Professor Nan will probably notify me by then?

Putting fare aside, Perelman leaned back in his chair and thought about his future. Now this situation is not a bad thing, at least do n't worry now that it will happen like Wiles and there is nothing to do. Great lost, isn't it? He comforted himself like this.

Mathematics is not only Poincaré conjecture an unsolved problem, it has been solved, but there are many problems such as Riemann conjecture and Hodge conjecture waiting for mathematicians to overcome it! Perelman struggled for a few days, and began to find a way forward for himself. Of course, he did not forget to send an email to Professor Nan:

Dear Nan,

I was both lost and excited when I received this email. What I lost was that I was behind others. I was excited to see the complete cracking process of Poincaré 's conjecture earlier; if Lu Qiujian will make a public report in the future, please Give me a ticket; you do n't have to worry about my situation. I 'm out of confusion. I 'm looking for new research directions. I hope you wo n't bring me something like this next time you receive an email. Such bad news.

Gregory Perelman