清華大學 求真书院
Qiuzhen College, Tsinghua University

Join Qiuzhen

For the Truth and Beauty of Mathematics

Oct 2nd 2022

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About Tsinghua University

Founded in 1911, Tsinghua University is one of the most prestigious higher education institutions in the world.

- Top 14 in the 2023 QS World University Rankings
- The World's Top 10 Most Beautiful Campuses

About Tsinghua University
On-Campus Dining

We have 20 restaurants on campus, where you can taste different regional cuisines.

About Tsinghua University
——Sports Facilities

The sports grounds of Tsinghua University cover an area of 220,000 square meters.

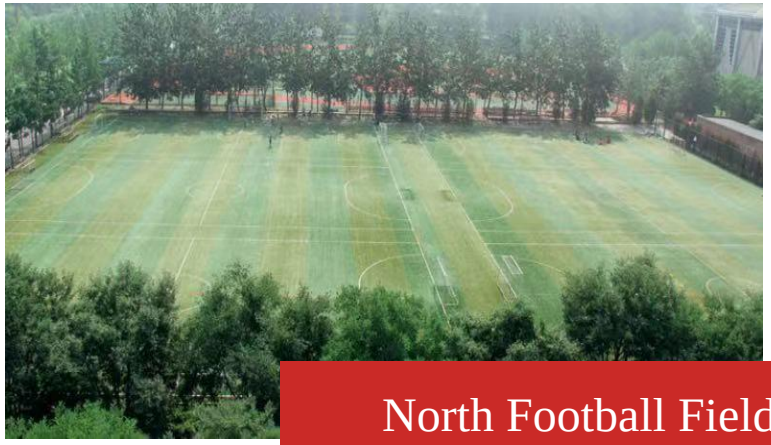
Comprehensive Gymnasium

Natatorium

West playground

Shooting Hall

Tennis Court

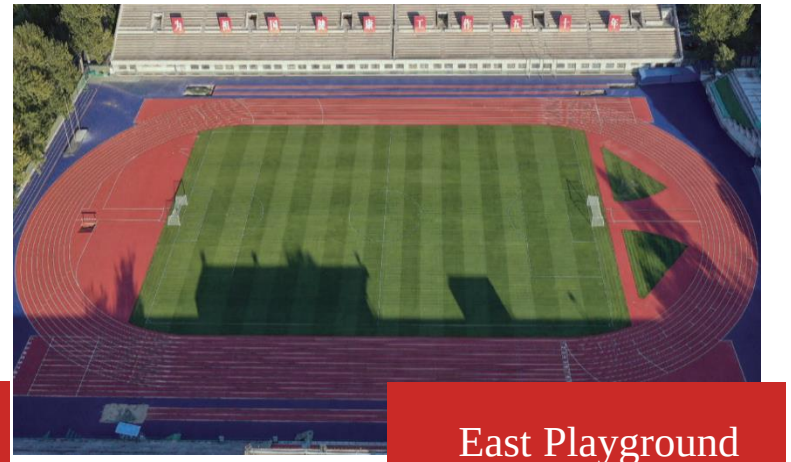


North Football Field

About Tsinghua University
——Sports Grounds

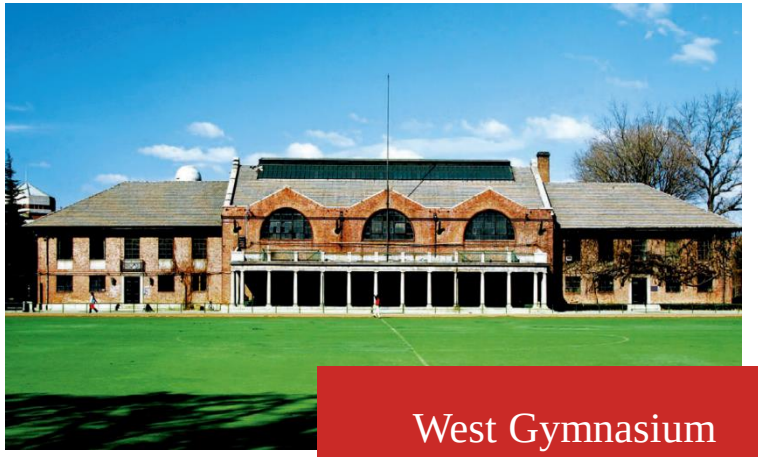
North Gymnasium

Roller Skating Rink



East Playground

Badminton Court

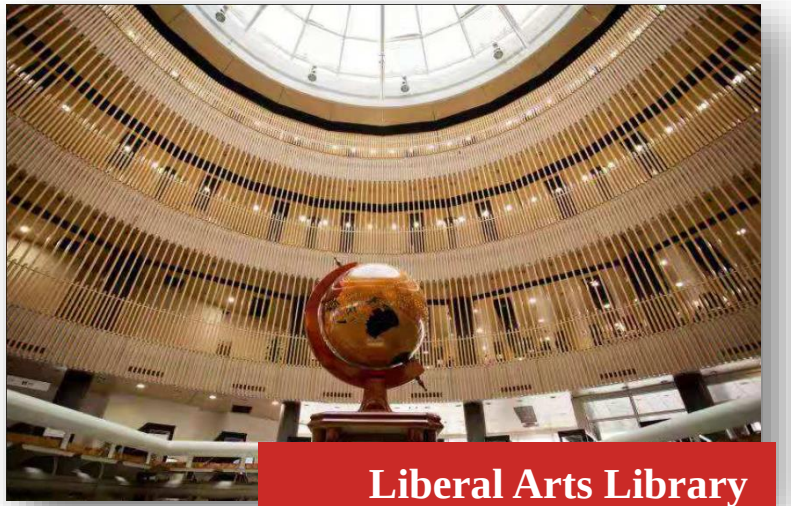


West Gymnasium

Basketball Court

About Tsinghua University
——Libraries

The **library system** consists of the main library and **six professional libraries** of liberal arts, art, finance, law, economic management and architecture, with a total area of more than 70000 square meters.



Liberal Arts Library

Law Library

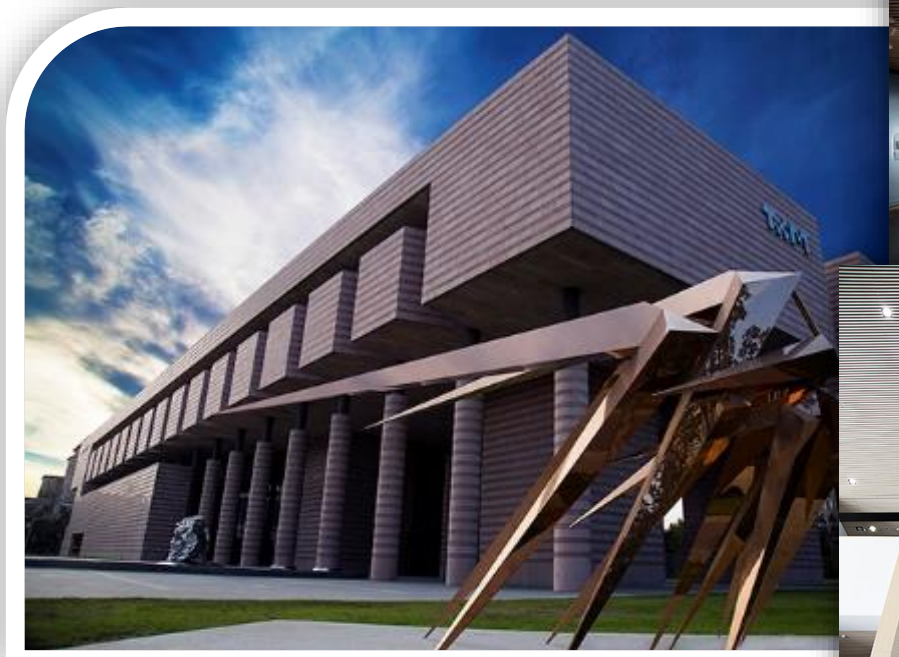
North Library

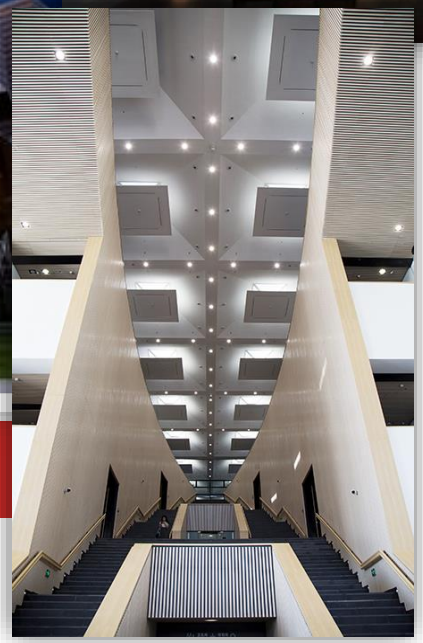
Art Library

Architectural Library

About Tsinghua University
——Museums

Three museums in Tsinghua University.





Tsinghua University Art Museum

Tsinghua History Museum

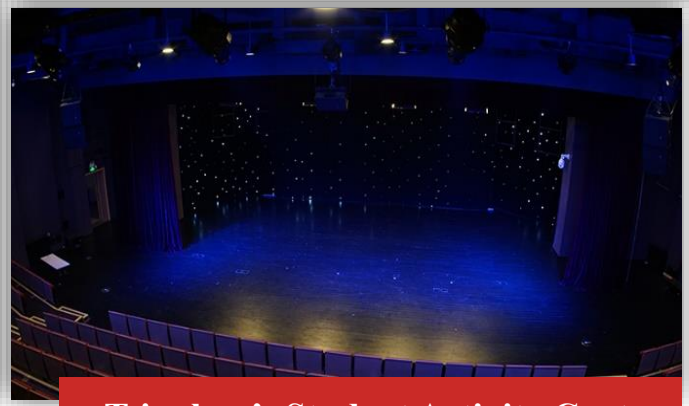
Tsinghua University Science Museum

About Tsinghua University
——Arts Center

There are rich resources of art and cultural venues on the campus of Tsinghua University.

The New Tsinghua Xue Tang

Mong Man Wai Concert Hall



Tsinghua's Student Activity Center

Tsinghua Auditorium

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I. About Us

II. Why Qiuzhen

III. Q&A

清華大學求真书院
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I. About Us

1. Inaugural Ceremony

On April 20th, 2021, the Inaugural Ceremony of Qiuzhen College was held in the Main Building, Tsinghua University.

Appointment of Mr. Shing-Tung Yau as Dean of Qiuzhen College.

2. Meet our Dean

Shing-Tung Yau,

- 1982 **Fields Medalist**, 1985 MacArthur Fellow, and recipient of the Crawford Prize (1994), Wolf Prize (2010), and Marcel Grossmann Award (2018) .
- Member of the National Academy of Sciences, U.S.A.
- Member of the American Academy of Arts and Sciences
- Foreign Member of the Chinese Academy of Sciences
- Foreign Member of the Russian Academy of Sciences

II. Why Qiuzhen

1. Influential Mathematicians

Two Fields medalists: Prof. Shing-Tung Yau and Prof. Caucher Birkar

Shing-Tung Yau

1982 Fields Medalist, MacArthur Fellow, and recipient of the Crawford Prize (1994), Wolf Prize (2010), and Marcel Grossman Award (2018); only mathematician to have received all five of these awards.

Caucher Birkar

2018 Fields Medalist, Member of the Academia Europaea and the Royal Society. Expert in algebraic geometry.

2. Faculty

World-renowned mathematicians and mathematical physicists + First-class scholars

Prof. Nicolai Reshetikhin

Renowned co-founder of Low-dimensional Topology, Representation Theory and Quantum Field Theory, member of American Mathematical Society

Prof. Akito Futaki

Top scholar in Differential Geometry

Prof. Donald Bruce Rubin

Co-founder of Applied Statistics, American Academy of Sciences and Arts fellow, founder and former head of Statistics Department of Harvard University

Prof. Shiu-Yuen Cheng

Member of American Mathematical Society

More and more world-class young scholars have joined us

Mathematicians for Six main research fields： Pure Mathematics

Research Fields	Chinese Name	English Name
Pure Mathematics	SHING-TUNG YAU	SHING-TUNG YAU
Pure Mathematics	Caucher Birkar	Caucher Birkar
Pure Mathematics	Nicolai Reshetikhin	Nicolai Reshetikhin
Pure Mathematics	FUTAKI AKITO	Futaki Akito
Pure Mathematics	郑绍远	Shiu-Yuen Cheng
Pure Mathematics	陈宗彬	Chen Zongbin
Pure Mathematics	王学成	Wang Xuecheng
Pure Mathematics	江怡	Jiang Yi
Pure Mathematics	张蓥莹	Zhang Yingying
Pure Mathematics	黄冠	Huang Guan
Pure Mathematics	DONOVAN WILLIAM ROSS GOODCHILD	Donovan William Ross Goodchild
Pure Mathematics	LECOUTURIER Emmanuel Antoine	Lecouturier Emmanuel Antoine
Pure Mathematics	周宇	Zhou Yu
Pure Mathematics	杨一龙	Yang Yilong
Pure Mathematics	周杰	Zhou Jie
Pure Mathematics	王浩然	Wang Haoran
Pure Mathematics	金龙	Jin Long
Pure Mathematics	刘余	Liu Yu
Pure Mathematics	李永雄	Li Yongxiong
Pure Mathematics	曹晋	Cao Jin
Pure Mathematics	HUANG YI	Huang Yi
Pure Mathematics	MCRAE ROBERT HAROLD	Mcrae Robert Harold
Pure Mathematics	胡悦科	Hu Yueke
Pure Mathematics	张鼎新	Zhang Dingxin
Pure Mathematics	李鹏辉	Li Penghui
Pure Mathematics	兰洋	Lan Yang
Pure Mathematics	余成龙	Yu Chenglong

Research Fields	Chinese Name	English Name
Pure Mathematics	陈伟彦	Chen Weiyan
Pure Mathematics	刘爽	Liu Shuang
Pure Mathematics	何翔	He Xiang
Pure Mathematics	林剑锋	Lin Jianfeng
Pure Mathematics	姜建平	Jiang Jianping
Pure Mathematics	范裕维	Fan Yuwei
Pure Mathematics	CHEUNG YITWAH	Cheung Yitwah
Pure Mathematics	陈志杰	Chen Zhijie
Pure Mathematics	单芃	Shan Peng
Pure Mathematics	刁晗生	Diao Hansheng
Pure Mathematics	扶磊	Fu Lei
Pure Mathematics	李思	Li Si
Pure Mathematics	刘正伟	Liu Zhengwei
Pure Mathematics	邱宇	Qiu Yu
Pure Mathematics	吴云辉	Wu YunHui
Pure Mathematics	吴昊（男）	Wu Hao（M）
Pure Mathematics	肖建	Xiao Jian
Pure Mathematics	徐斌	Xu Bin
Pure Mathematics	薛金鑫	Xue Jinxin
Pure Mathematics	杨晓奎	Yang Xiaokui
Pure Mathematics	于品	Yu Pin
Pure Mathematics	郑浩	Zheng Hao
Pure Mathematics	GUO HAO	GUO HAO
Pure Mathematics	ALLEGRETTI DYLAN G	ALLEGRETTI DYLAN G
Pure Mathematics	苏长剑	Su Changjian
Pure Mathematics	郑志伟	Zheng Zhiwei
Pure Mathematics	张城	Zhang Cheng
Pure Mathematics	高鸿灏	Gao Honghao
Pure Mathematics	SHIMIZU KOJI	SHIMIZU KOJI
Pure Mathematics	盛茂	Sheng Mao

Mathematicians for Six main research fields： Applied Mathematics/Mathematical Physics /Comptuational Mathematics and Geometric Imaging

Research Fields	Chinese Name	English Name
Applied Mathematics	荆文甲	Jing Wenjia
Applied Mathematics	蔚辉	Yu Hui
Applied Mathematics	邱凌云	Qiu Lingyun
Applied Mathematics	魏朝晖	Wei Chaohui
Applied Mathematics	周源	Zhou Yuan
Applied Mathematics	林勇	Lin Yong
Applied Mathematics	DING JINTAI	Ding Jintai
Mathematical Physics	HAGHIGHAT BABAK	Haghighat Babak
Mathematical Physics	ROMO JORQUERA MAURICIO ANDRES	Romo Jorquera Mauricio Andres
Mathematical Physics	颜文斌	Yan Wenbin
Mathematical Physics	张其明	Zhang Qiming
Mathematical Physics	YAGI JUNYA	Yagi Junya
Mathematical Physics	归斌	Gui Bin
Mathematical Physics	王晴睿	Wang Qingrui
Mathematical Physics	谢丹	Xie Dan
Mathematical Physics	宋伟	Song Wei
Mathematical Physics	吴昊（女）	Wu Hao（F）
Comptuational Mathematics and Geometric Imaging	SHING-TUNG YAU	SHING-TUNG YAU

Mathematicians for Six main research fields： Computational Mathematics/ Probability Theory and Mathematical Statistics

Research Fields	Chinese Name	English Name
Computational Mathematics	苏春梅	Su Chunmei
Computational Mathematics	杜洁	Du Jie
Computational Mathematics	包承龙	Bao Chenglong
Computational Mathematics	梁鑫	Liang Xin
Computational Mathematics	王珺	Wang Jun
Computational Mathematics	朱毅	Zhu Yi
Computational Mathematics	史作强	Shi Zuoqiang
Probability Theory and Mathematical Statistics	RUBIN DONALD BRUCE	Rubin Donald Bruce
Probability Theory and Mathematical Statistics	YATRACOS YANNIS	YATRACOS YANNIS
Probability Theory and Mathematical Statistics	JOHANSSON PER JOHAN ANDERS	Johansson Per Johan Anders
Probability Theory and Mathematical Statistics	杨帆（男）	Yang Fan（M）
Probability Theory and Mathematical Statistics	杨帆（女）	Yang Fan（F）
Probability Theory and Mathematical Statistics	顾陈琳	Gu Chenlin

Working with faculties from BIMSA

北京雁栖湖应用数学研究院
YANQI LAKE BEIJING INSTITUTE OF MATHEMATICAL SCIENCES AND APPLICATIONS
Supported by Yau Center at Tsinghua Univ. & CAS

- Yanqi Lake Beijing Institute of Mathematical Sciences and Applications (BIMSA), located in Huairou district of Beijing, is a mathematics research institution co-sponsored by Beijing Municipal Government and Tsinghua University. The director of BIMSA is Prof. Shing-Tung Yau.
- BIMSA is committed to basic, forward-looking and systematic research in all areas of mathematics, and frontiers of physics, computer science, finance and interdiscipline.
- Graduate students of Qiuzhen College will have lots of opportunities to communicate and work with the faculties from BIMSA

Two-way choice between students and the tutors

Qiuzhen College strictly controls the overall quality of students in terms of graduate enrollment.

The requirement for new graduate students is to **confirm tutors within one academic year** (no more than two academic years at the latest) according to their own conditions and after in-depth contact with various tutors.

There will be the **two-way choice** between students and tutors.

3. Sample courses for graduate

2022 Fall featured graduate courses list offered by Qiuzhen College

Course name	Credit	Course name	Credit
Algebraic Geometry(1)	4	Quantum Complexity Theory	3
Differential Topology	3	Topics in Geometry and Topology	3
Differential Geometry II: Riemannian Geometry	4	Topics in Algebra and Number Theory	3
Advanced Functional Analysis	3	Topics in Complex Geometry	3
Birational Geometry(1)	2		

3. Sample courses for graduate

2023 Spring featured graduate courses list offered by Qiuzhen College

Course name	Credit	Course name	Credit	Course name	Credit
Topics in Algebra and Number Theory	3	Birational Geometry(2)	2	Harmonic Analysis	4
Algebraic Geometry(2)	3	Complex Geometry	4	Operator Algebras	3
Algebraic Topology(2)	4	Machine Learning Theory	4	Geometric Representation Theory(1)	3
Partial Differential Equation(2)	4	Probability(2)	3	Fluid Dynamics	3
Dynamics on Moduli Spaces	3				

4. General Education

- Mathematics
- Physics
- Mathematical History
- Science History
- Qiuzhen General Education Lectures

5. College Activities

Academic Seminars

Chinese History Study Tours

Arts & Sports

5.1 Academic Activities

Academic Seminars

π Day Challenge

5.2 Seminars

Academic Workshops

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5.3 Chinese History Study Tours

Immerse yourself in the glorious history and culture of China

5.4 Sporting Events

Students are encouraged to take part in various athletic activities

5.5 Art Activities

The first anniversary of Qiuzhen College

Ballet Performance

Tsinghua University Art Museum Tour

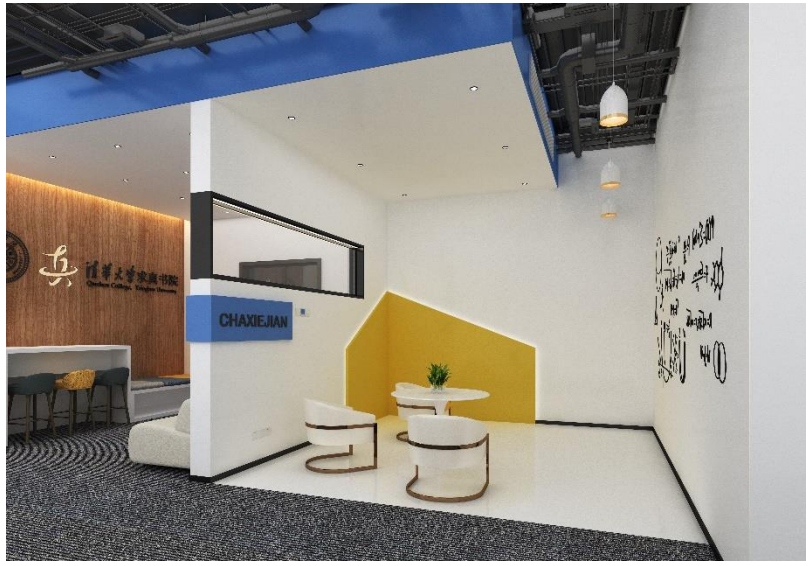
5.6 Art Activities

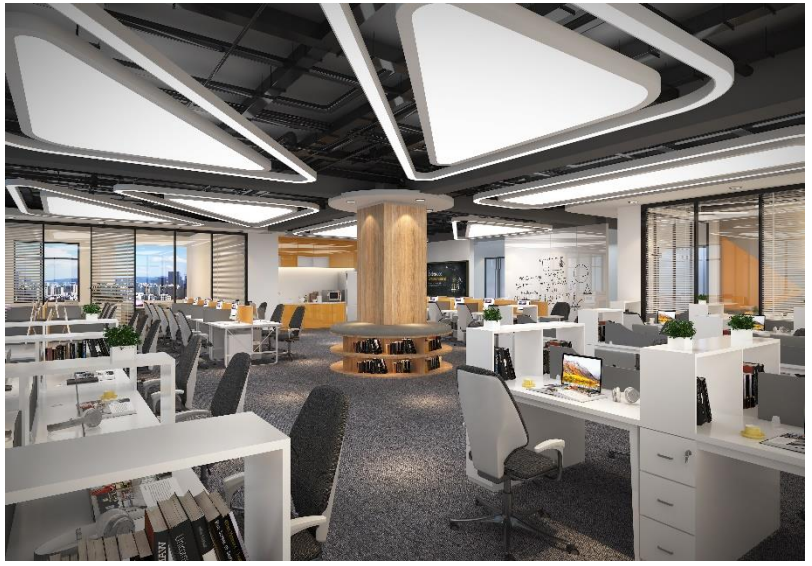
Modern Drama

Flute concert

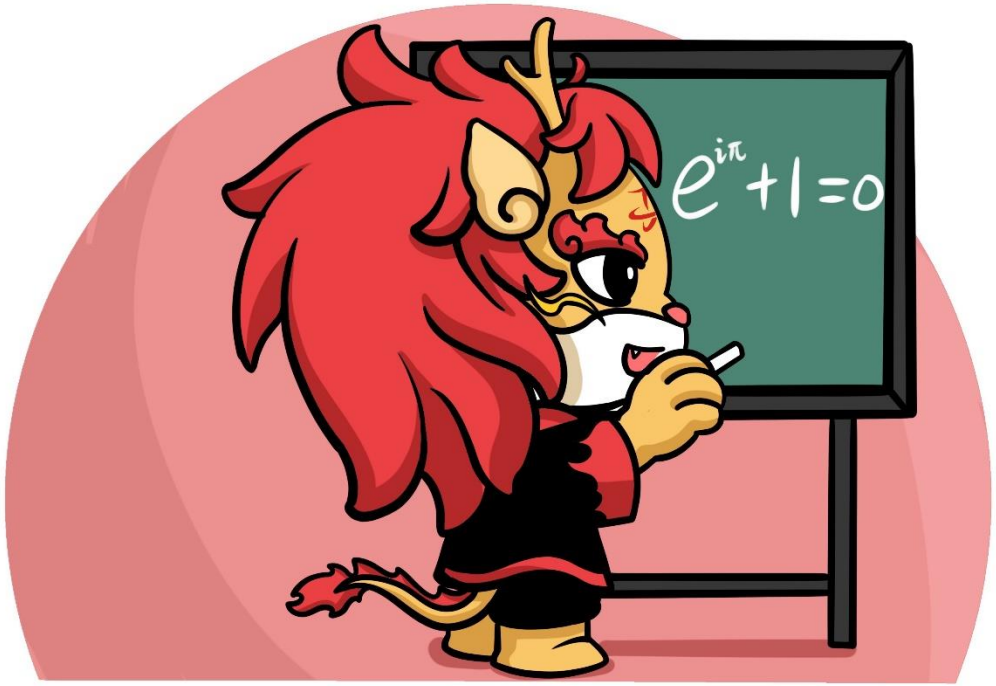
Symphony performance

6. Communication Space





Contact



Contact Us

- Website: https://qzc.tsinghua.edu.cn/en/
- Wechat Official Account & Instagram:
- Facebook Account: Qiuzhen Tsinghua
- E-mail: qzsyzs@tsinghua.edu.cn

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WELCOME TO QIUZHEN