

# 个人简历

## 个人资料

姓名	张熠
出生日期	1988年12月12日
籍贯与户口	江苏省常州市
国籍	中国
婚姻状况	未婚



## 联系方式

电子邮箱	<a href="mailto:zhangy@amss.ac.cn">zhangy@amss.ac.cn</a>
地址	<a href="#">Johann Radon Institute for Computational and Applied Mathematics (RICAM)</a> Austrian Academy of Sciences Altenbergerstraße 69, A-4040 Linz, Austria
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个人网页	<a href="https://yzhang1616.github.io/">https://yzhang1616.github.io/</a>

## 教育经历

09/2013 – 02/2017	理学博士(优秀毕业生), 数学, 代数研究所, 约翰开普勒林茨大学, 奥地利(导师(Supervisor): <a href="#">Manuel Kauers</a> 教授与 <a href="#">李子明</a> 研究员)
09/2011 – 07/2016	理学博士, 应用数学, 数学机械化重点实验室, 中国科学院数学与系统科学研究院, 中国科学院大学, 北京, 中国(导师(Supervisor): <a href="#">Manuel Kauers</a> 教授与 <a href="#">李子明</a> 研究员)

09/2007 – 07/2011 理学学士, 数学与应用数学(师范), 数学科学学院, 苏州大学, 苏州, 中国

我于09/2013 到06/2015 在Manuel Kauers 教授的指导下在奥地利符号计算研究中心, 约翰开普勒林茨大学进行博士阶段的学习与研究。

## 工作经历

03/2017 – 02/2018 博士后(Postdoc researcher), Johann Radon Institute for Computational and Applied Mathematics (RICAM), 奥地利科学院. (合作导师(Supervisor): Christoph Koutschan 博士)

## 访问经历

2017年五月 访问学者(Visiting scholar), 数学系, 神户大学(Kobe University), 日本. (合作导师(Host researcher): Nobuki Takayama (高山信毅) 教授)

## 获奖情况

07/2016 ACM最佳学生论文, ISSAC'16, SIGSAM, Association for Computing Machinery  
09/2009 – 07/2010 苏州大学人民综合二等奖学金  
09/2008 – 07/2009 苏州大学人民综合一等奖学金  
09/2007 – 07/2008 苏州大学人民综合一等奖学金  
09/2007 – 07/2008 苏州大学朱敬文奖学金  
09/2007 – 07/2008 苏州大学校三好学生

## 研究领域

计算机代数(Computer Algebra), 计算代数几何(Computational Algebraic Geometry), Ore代数(Ore Algebras), Gröbner基(Gröbner Bases), 算法组合学(Algorithmic Combinatorics) 以及 实验数学(Experimental Mathematics)

## 博士论文

- Yi Zhang. *Univariate Contraction and Multivariate Desingularization of Ore Ideals*. PhD thesis, Institute for Algebra, Johannes Kepler University Linz, 2017.

## 学术论文

- Yi Zhang. *Contraction of Ore Ideals with Applications*. In *Proceedings of the 2016 International Symposium on Symbolic and Algebraic Computation*, pp. 413-420, ACM Press, 2016. DOI:[10.1145/2930889.2930890](https://doi.org/10.1145/2930889.2930890).

## 待发表论文

- Manuel Kauers, Ziming Li and Yi Zhang. *Apparent Singularities of D-finite Systems*, 2016.

## 研究注解(Research Notes)

- Ziming Li and Yi Zhang. *A Note on Gröbner Bases of Ore Polynomials over a PID*, 2016. <https://yzhang1616.github.io/GB.pdf>
- Yi Zhang. *Integer Vectors of a Fundamental Parallelepiped*, 2016.
- Yi Zhang. *Testing  $q$ -shift Equivalence of Polynomials*, July, 2017.

## 其它出版物

## 软件包

- [qDesingularization.m](#), a Mathematica package for computing desingularized operators and the  $q$ -Weyl closure of a given  $q$ -difference operator in the first  $q$ -Weyl algebra. It is based on joint work with Dr. Christoph Koutschan. The package requires the availability of Koutschan's package [HolonomicFunctions.m](#) and Kauers's package [Singular.m](#). For a description of the usage of the package, see the [Example.nb](#) notebook.

## 学术报告

6. *Apparent Singularities of D-finite Systems*. Contributed talk at ACA'17 (the 23rd Conference on Applications of Computer Algebra), Jerusalem College of Technology, Jerusalem, Israel, July, 2017.
5. *Contraction of Linear Difference and Differential Operators*. Contributed talk at ISSAC'16 (the 41st International Symposium on Symbolic and Algebraic Computation), Wilfrid Laurier University, Waterloo, Canada, July, 2016.
4. *Contraction of Linear Difference and Differential Operators*. Invited talk at the seminar of Center for Combinatorics, Nankai University, Tianjin, China, June, 2016.
3. *An Algorithm for Contraction of an Ore Ideal*. Invited talk at the seminar of Institute of Discrete Mathematics and Geometry, Vienna University of Technology, Vienna, Austria, October, 2015.
2. *The Restriction Problem for D-finite Functions*. Contributed talk at the Workshop on Computational and Algebraic Methods in Statistics, The University of Tokyo, Tokyo, Japan, March, 2015.
1. *An Algorithm for Decomposing Multivariate Hypergeometric Terms*. Contributed talk at CM'13 (the 5th National Conference of Computer Mathematics), Jilin University, Changchun, China, August, 2013.

## 学术期刊评审工作

对于以下的学术期刊及会议论文，括号内给出了相应的评审次数。

- International Symposiums on Symbolic and Algebraic Computation (1)
- Journal of Symbolic Computation (2)

## 编程语言

C, Matlab, Maple, Mathematica, Macaulay2 以及 Sage

## 业余爱好及兴趣

- 体育运动: 乒乓球, 桌球(台球), 网球
- 阅读: 文学, 历史, 哲学
- 语言: 中文(母语), 英文(流利), 德文(基础)