Curriculum Vitae

Yi Zhang
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Education

February 15th, 2017	Ph.D. in Mathematics with distinction, Institute for Algebra, Johannes Kepler University Linz, Austria. Thesis advisors: Prof. Manuel Kauers and Prof. Ziming Li.
July 3rd, 2016	Ph.D. in Applied Mathematics, Key Laboratory of Mathematics Mechanization, Academy of Mathematics and Systems Science, University of Academy of Sciences, Beijing, China. Thesis advisors: Prof. Manuel Kauers and Prof. Ziming Li.
June 30th, 2011	B.Sc. in Mathematics, School of Mathematical Sciences, Soochow University, Suzhou, China.

Appointments

09/2018 – present	Research Associate, Department of Mathematical Sciences, The University of Texas at Dallas, USA. (Advisor: Prof. Carlos E. Arreche)
03/2017 – 08/2018	Postdoctoral researcher, Johann Radon Institute for Computational and Applied Mathematics (RICAM), Austrian Academy of Sciences, Austria. (Advisor: Prof. Christoph Koutschan)

Publications

1. Thieu N. Vo and Yi Zhang. *Rational Solutions of First-Order Algebraic Ordinary Difference Equations*, 2019, arXiv:1901.11048, submitted.

2. Thieu N. Vo and Yi Zhang. *Rational Solutions of High-Order Algebraic Ordinary Differential Equations*, 2019, arXiv:1709.04174, accepted by Journal of Systems Sciences and Complexity.

3. Shaoshi Chen, Manuel Kauers, Ziming Li and Yi Zhang. *Apparent Singularities of D-finite Systems*, 2019. *Journal of Symbolic Computation*, in press. arXiv:1705.00838, DOI:10.1016/j.jsc.2019.02.009.

4. Ting Guo, Christian Krattenthaler and Yi Zhang. *On (shape-)Wilf-equivalence for words*, 2018. *Advances in Applied Mathematics*, 100, pp. 87-100, 2018. DOI:10.1016/j.aam.2018.05.006, arXiv:1802.09856.

5. Christoph Koutschan and Yi Zhang. *Desingularization in the q-Weyl Algebra*. *Advances in Applied Mathematics*, 97, pp. 80–101, 2018. DOI: 10.1016/j.aam.2018.02.005, arXiv:1801.04160.

6. 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. [Distinguished Student Author Award]