

Wenzhe Yang

PERSONAL INFORMATION	Email: yangwz@stanford.edu, wenzheyang87@gmail.com (permanent) Address: Office 364, Department of Physics, 382 Via Pueblo Mall, Stanford, CA, 94305
APPOINTMENTS	Department of Physics, Stanford University Nov. 2018–Present Postdoctoral Scholar in Physics. Mentor: Prof. Shamit Kachru
EDUCATION	Mathematical Institute, University of Oxford Oct. 2014–Aug. 2018 Doctor of Philosophy in Mathematics. Supervisor: Prof. Philip Candelas Thesis title: The Arithmetic Geometry of Mirror Symmetry and the Conifold Transition. DAMTP, University of Cambridge Oct. 2013–Jul. 2014 Master of Advanced Study (Part III of Mathematics Tripos), distinction School of Physics, Peking University Sept. 2011–Nov. 2012 Postgraduate reading for PhD in particle physics, program ended in Nov. 2012 in order to switch researches to string theory School of Physics, Nankai University Sept. 2007–Jun. 2011 B.S. in physics B.S. in information and numerical science
RESEARCH INTERESTS	Arithmetic geometry of Calabi-Yau threefolds, application of mirror symmetry in number theory, string theory
PUBLICATIONS	[1], The Special Geometry of a Calabi-Yau Threefold with Hodge Numbers $h^{1,1} = h^{2,1} = 1$, P. Candelas, S. Krippendorff and W. Yang, in preparation. [2], Mirror symmetry, mixed motives and $\zeta(3)$, M, Kim and W. Yang, arXiv:1710.02344
TEACHING EXPERIENCES	College Tutors, University of Oxford 2015–2017 First year and second year undergraduate tutorials covering continuous mathematics, rings and modules, introduction to manifolds, group theory. Teaching Assistant, Mathematical Institute, University of Oxford 2015–2017 Third year and four year undergraduate tutorials covering commutative algebra, Lie groups, algebraic geometry, algebraic curves, string theory, Galois theory, algebraic topology, statistical mechanics, applied complex variables, modular forms. Stipendiary Lecturer, Pembroke College, University of Oxford, 2017–2018
TALKS	Topological Quantum Field Theory Mar. 2016 Junior string theory seminar, Mathematical Institute, University of Oxford Geometric Langlands Program Nov. 2016 Junior string theory seminar, Mathematical Institute, University of Oxford Special Geometry of a Calabi-Yau Manifold with Hodge Numbers (2,2) Mar. 2017 Workshop on Geometry and Physics, Indian Institute of Science, Bangalore Motives for Physicists Aug. 2017

Nankai Symposium on Physics, Geometry and Number Theory 2017
Mirror symmetry, mixed motives and $\zeta(3)$ Nov. 2017
Algebraic geometry seminar, University of Oxford
Pure spinor Mar. 2018
Junior string theory seminar, Mathematical Institute, University of Oxford

AWARDS

Oxford-Palmer Graduate Scholarship