Jincheng Yang

CONTACT
INFORMATION

Department of Mathematics
College of Natural Science
The University of Texas at Austin
Austin, TX 78712 USA

Voice: (+1) 512-317-7231
E-mail: jcyang@math.utexas.edu
LinkedIn: linkedin.com/in/jincheng-yang/
Website: ma.utexas.edu/users/jcyang/

RESEARCH
INTERESTS

Analysis, Partial Differential Equations, and their application in Fluid Mechanics.

EDUCATION

The University of Texas at Austin, Austin, Texas USA

Ph.D. in Mathematics (Pure)   Aug. 2017 - Present

Xi'an Jiaotong University (XJTU), Xi'an, Shaanxi China

B.Sc. in Mathematics and Applied Mathematics (Elite Class)   Aug. 2013 - July 2017
Thesis: *Linear Inviscid Damping of a Shear Flow in a Half Space and in a Finite Channel*
Advisor: Dongsheng Li and Zhiwu Lin.

Georgia Institute of Technology, Atlanta, Georgia USA

Non-degree   Jan. 2016 - May 2016
School of Mathematics and Language Institute Visiting Honors Student Program

Columbia University in the City of New York, New York City, New York USA

Non-degree   Jan. 2015 - May 2015
Visiting Undergraduate Student

HONORS AND
AWARDS

First Everest Research Scholarship, awarded by XJTU   **2014**
National Scholarship, top 1% students, awarded by Ministry of Education, China   **2016**
Pacemaker to Outstanding Student, highest honor for students at XJTU   **2016**

ACADEMIC
EXPERIENCE

Xi'an Jiaotong University, Xi'an, Shaanxi China

Programmer/Writer   **May 2013 - Sept. 2014**
Includes programming and editing a college-level textbook which applies RAPTOR language in
algorithm courses for non-cs major students.

Teaching Assistant   **June 2016**
Duties includes administrative responsibilities and oral translation for a course taught by Dan G.
Sykes from Pennsylvania State University.

Georgia Institute of Technology, Atlanta, Georgia USA

Researcher   **Jan. 2016 - Oct. 2016**
Research includes studying the effect of density variation of fluids on the linear inviscid damping of
Couette flow with Zhiwu Lin.

Visiting Research Student   **Feb. 2017 - May 2017**
Research includes studying the effect of density variation of fluids on the inviscid damping of stratified
Couette flow with Zhiwu Lin.

The University of Texas at Austin, Austin, Texas USA

Teaching Assistant   **Sept. 2017 - Dec. 2017**
Teaching assistant for undergraduate course Differential Calculus.

PUBLICATIONS Xie, T., Cheng, X. & Yang, J. (2014) RAPTOR Program Designing Tutorial. Beijing: Tsinghua University Press.

Yang, J. & Lin, Z. (2017) *Linear Inviscid Damping for Couette Flow in a Stratified Fluid*, J. Math. Fluid Mech. https://doi.org/10.1007/s00021-017-0328-3

PAPER IN PREPARATION Zhu, H. Lin, Z. & Yang, J. (2017) *Stability and instability of shear flow in a rotating system with Coriolis parameter*.