The List of Winners to
2014 S.-T. Yau High School Mathematics Awards

Gold Award

Title: On the Square-free Numbers in Shifted Primes
Members: Zerui Tan
Instructor: Yongxing Cheng
School: The High School Attached to Hunan Normal University

Silver Awards

(1)Title: Analysis of the Number of Distinct Prime Factors of $t(\alpha^n-\beta^n)$
Members: Jianqiao Xia, Yuxiang Jin, Mengzhe Zhang
Instructor: Siqing Cao
School: Zhengzhou Foreign Language School

(2)Title: Separating Mixed Signals in a Noisy Environment Using Global Optimization
Members: George Hou
Instructor: Jack Xin
School: Arcadia High School, USA

Bronze Awards

(1)Title: Study on the Properties of Circumscriebd Ellipses of Convex Quadrilaterals
Members: Yixi Shen
Instructor: Zhongyuan Dai
School: No.2 Secondary School Attached to East China Normal University

(2)Title: Recognizing Zombie Fans in Microblog Based on Bayesian Theory
Members: Yiming Ding
Instructor: Chengpeng Zhang
School: No.2 Secondary School Attached to East China Normal University

(3)Title: On generalizations of an inequality
Members: Ran Tao, Shuo Yu
Instructor: Xiang Lu
School: Tianjin Yaohua High School

(4)Title: Extremal Functions of Forbidden Multidimensional Matrices
Members: Peter Tian
Instructor: Jesse Geneson
School: The Wellington School, USA

(5)Title: A Generalization of G-parking Functions and Related Algebras
Members: Brice Huang
Instructor: Wuttisak Trongsiriwat

School: West Windsor-Plainsboro High School North, USA

Honorable Mention

(1)Title: Study on the Relative periodicity and the Long-term behavior of Hypocycloid and Quasicycloid
Members: Sicong Huang
Instructor: Wenbing Xu
School: The High School Attached to Tsinghua University

(2)Title: The Diameter of (Directed) Graphs
Members: Jiaqi Wang, Lide Cai, Daheng Min
Instructor: Xiangxue Jia
School: Beijing National Day School

(3)Title: New Probe into Combinatorial Identities
Members: Sheng Zhou
Instructor: Peng Gui
School: The Affiliated High School of SCNU