

The List of Winners to 2010 S.-T. Yau High School Mathematics Awards

Gold Award

Topic: A Proof on the Non-differentiability of Weierstrass Function in An Uncountable Dense Set

Members: Boyu Chen

Instructor: Rongsheng Jin

School: Shanghai Shibei High School

Silver Award

Topic: A Research On a Kind of Special Points Inside Convex

Members: Di Liu, Lun Yu

Instructor: Qingjie Yang

School: The High School Affiliated to China Renmin University

Brozen Award

(1)Topic: From the Hinge Device to Curves of Linkages

Members: Yue Gan, Yuge Chen, Lulu Sun

Instructor: Jie Jin

School: Zhengjiang Hangzhou No.2 High School

(2)Topic: Extension, Enhancement and Analogue of the Vasiliev Inequality

Members: Junxi Wu, Aolin Xiong, Zhe Liu

Instructor: Zhiming Yang

School: Guangdong Guangya High School

(3)Topic: A new definition of distance for graphs

Members: Farzan Vafa

Instructor: Yong Lin

School: Milton Academy, 180 Centre St., Milton, MA, USA

Honorable Mentioned

(1)Topic: On the Minimum Number of Convex Quadrilaterals in Point Sets of Given Numbers of Points

Members: Yuzhong Hu, Luping Chen, Hui Zhu

Instructor: Xiaofeng Ling

School: Shaoxing No.1 High School

(2)Topic: The distribution of the first digit in polynomials with positive integer coefficients

Members: Erhan Lu, Zhicheng Lin?

Instructor: Xiaofeng Ling

School: Shaoxing No.1 High School

(3)Topic: Study on Inscribed Ellipse of Triangle

Members: Zhaorong Jin, Liwei Zeng

Instructor: Xiaomiao Tang

School: The High School Affiliated to China Renmin University

(4)Topic: Entries of random matrices

Members: Benjamin Kraft

Instructor: Gregory Minton

School: Liberty High School, Bethlehem, PA, USA

(5)Topic: On supersingular elliptic Curves and hypergeometric functions

Members: Keenan Monks

Instructor: Kenneth G. Monks

School: Hazleton Area High School, Pennsylvania, USA