

The List of Winners to 2008 S.-T. Yau High School Mathematics Awards

Gold Award

Topic: A research on the minimum prime quadratic residue modulo a prime

Members: Xiao Zhang, Lizao Ye, Weijun Fang

Instructor: Xiangyou Chen

School: Wenzhou High School

Silver Award

Topic: Invertibility Probability of Binary Matrices

Members: Angela Dai, Caroline Kim, John Kim

Instructor: Guofang Wei

School: Dos Pueblos High School, USA

Brozen Award

(1)Topic: Optimized Methods of the equalized sprinkling irrigation for greenery patches

Members: Yudi Fu, Zhoujia Li

Instructor: Yuanji Xu

School: Hangzhou Foreign Languages School

(2)Topic: Some Arithmetic Properties about the Factor of the Solution to Pell Equation

Members: Yubo Zhao

Instructor: Baoguo Hao

School: The Affiliated High School of SCNU

(3)Topic: Modeling and planning of snow sweeping on main roads

Members: Yipeng Qin, Zhenyuan Gao, Cong Su

Instructor: Bin Cai

School: Suzhou High School

Honorable Mentioned

(1)Topic: Criteria on equality of symmetric inequalities

Members: Jingjun Han

Instructor: Jieliang Wang

School: High School Affiliated To Fudan University

(2)Topic: A case study on the model of dividing sample space

Members: Chongbo Yang, Xubin Liang, Zhongqiao Lin

Instructor: Qiumin Jiang, Senlin Chen

School: Guangdong Experimental High School

(3)Topic:From the snail trails to missile tracks: a preliminary exploration of “Converging curve” and “Tracing curve”

Members: Hanci Chi, Yang Liu, Chengjun Lu

Instructor: Xinggang Guo

School: English School Attached To Guangdong University of Foreign Studies

(4)Topic:The question of counting for intersection points for inner diagonal lines and regular N polygon

Members: Lunbo Xu

Instructor: Hangfei He

School: Hainan Senior High School

(5)Topic: Research into the order 3 magic hexagon: its properties, construction and extensions

Members: Fanxing Meng

Instructor: Zhiqiang Zhang

School: Tianjin NO.1 High School