The List of Winners to 2015 Dongrun-Yau Science Awards (Mathematics)

Gold Award

School: No.2 Secondary School Attached to East China Normal University
Members: Zhenhua Liu
Instructor: Zhongyuan Dai
Title: An Asymptotic Formula in Number Theory

Silver Awards

(1)School: High School Affiliated to Fudan University, Pudong Campus
Members: Zihong Chen
Instructor: Junjie Wen
Title: On the evaluation of some in_nite series

(2)School: High School Affiliated to Shanghai Jiao Tong University
Members: Deshu Chen
Instructor: Lei Hou
Title: Investigation on a Class of Infinite Number Sequences Which Satisfy Benford's Law

(3)School: Neuqua Valley High School, USA
Members: Sarvasva Raghuvanshi
Instructor: Stephen S.-T. Yau
Title: A Proof of the Yau Geometric Conjecture in 6 Dimensions

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Bronze Awards

(1)School: Beijing National Day School
Members: Jianyou Wang
Instructor: Guoshuang Pan
Title: Estimate of the electric potential outside a bounded charged conductor

(2)School: Beijing 101 Middle School
Members: Guangyuan Zhu
Instructor: Jianyu Liu
Title: Study on High-dimensional Extension of Pick's Theorem

(3)School: Dongguan Middle School, SSL School
Members: Tao Li
Instructor: Dongsheng Wen
Title: Some New Littlewood-Type Inequalities

(4)School: The Affiliated High School of SCNU
Members: Ziyuan Lv, Yuyu Guo
Instructor: Jizhu Wei

Title: Probability of an Acute Triangle in the Two-dimensional Spaces of Constant Curvature

(5)School: Shenzhen High School
Members: Zhe Kong, Yilin Ye
Instructor: Wentao Zhang
Title: Three Generalizations of the Secretary Problem

(6)School: Woodbridge High School, USA
Members: Spencer Sheen
Instructor: Hongkai Zhao
Title: A Coordinate Descent Method for Robust Matrix Factorization and Applications

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Honorable Mention

(1)School: No.2 Secondary School Attached to East China Normal University
Members: Licheng Hua
Instructor: Zhongyuan Dai
Title: Further Research of Tianji Horse Racing

(2)School: Nanjing Foreign Language School
Members: Chunyang Xie, Zicen Pan, Yuqi Zhang
Instructor: Yang Gao
Title: A Study on Prediction Algorithms for Yu'EBao Capital Flow

(3)School: The Affiliated High School of Peking University
Members: Weichen Gao, Cheran Sun
Instructor: Zhichao Shan
Title: The Rationality of the Vertices of a Regular Simplex or Semiregular Simplex in Rn or LP-space over R2

(4)School: Han Dan No.1 High School
Members: Yuxuan Yang
Instructor: Xinding Xi
Title: A Study of the Approximation of e

(5)School: Dalian Jinzhou Senior High School
Members: Hengjia Zhang
Instructor: Jie Li
Title: Study on a Type of Geometric Iteration

(6)School: Guangdong Experimental School
Members: Hongzheng Chen, Zhihan Li, Mingwei Chen
Instructor: Wanfeng Liang
Title: On Concurrent Lines Related to Miquel Points

(7)School: Shenzhen High School
Members: Yuepeng Yang
Instructor: Wentao Zhang
Title: A Hypothesis Testing Method Based on Sample and Two Types of Errors