

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

ANNOUNCEMENT OF WINNERS

of the sixty-ninth competition held on December 6, 2008

WINNING TEAMS

<i>Rank</i>	<i>School</i>	<i>Team Members (in alphabetical order)</i>
1	HARVARD UNIVERSITY	Zachary R. Abel, Iurie Boreico, and Arnav Tripathy
2	PRINCETON UNIVERSITY	Peter Z. Diao, John V. Pardon, and Adrian I. Zahariuc
3	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Qingchun Ren, Xuancheng Shao, and Yufei Zhao
4	STANFORD UNIVERSITY	Young Hun Jung, Nathan K. Pflueger, and Jeffrey Wang
5	CALIFORNIA INSTITUTE OF TECHNOLOGY	Jason C. Bland, Zarathustra E. Brady, and Brian R. Lawrence

The first place team receives an award of \$25,000 and each member of the team receives \$1,000. The awards for second place are \$20,000 and \$800; for third place \$15,000 and \$600; for fourth place \$10,000 and \$400; and for fifth place \$5,000 and \$200.

In each of the following categories, the listing is in alphabetical order.

THE PUTNAM FELLOWS—THE FIVE HIGHEST RANKING INDIVIDUALS

Each receives an award of \$2,500.

BRIAN R. LAWRENCE	California Institute of Technology
SEOK HYEONG LEE	Stanford University
ARNAV TRIPATHY	Harvard University
BOHUA ZHAN	Massachusetts Institute of Technology
YUFEI ZHAO	Massachusetts Institute of Technology

THE NEXT ELEVEN HIGHEST RANKING INDIVIDUALS

Each receives an award of \$1,000.

IURIE BOREICO	Harvard University
ADAM C. HESTERBERG	Princeton University
WILLIAM A. JOHNSON	University of Washington
CEDRIC LIN	University of British Columbia
ANTON S. MALYSHEV	Princeton University
JOHN V. PARDON	Princeton University
QINGCHUN REN	Massachusetts Institute of Technology
OLEG O. RUDENKO	Florida Atlantic University
COLIN P. SANDON	Massachusetts Institute of Technology
JACOB N. STEINHARDT	Massachusetts Institute of Technology
ALEX ZHAI	Harvard University

THE NEXT NINE HIGHEST RANKING INDIVIDUALS

Each receives an award of \$250.

ZACHARY R. ABEL	Harvard University
THOMAS D. BELULOVICH	Massachusetts Institute of Technology
JASON C. BLAND	California Institute of Technology
GABRIEL T. BUJOKAS	Massachusetts Institute of Technology
KONSTANTIN MATVEEV	University of Toronto
NATHAN K. PFLUEGER	Stanford University
AARON H. POTECHIN	Princeton University
DONG UK RHEE	University of Waterloo
ADRIAN I. ZAHARIUC	Princeton University

HONORABLE MENTION—TEAMS

DUKE UNIVERSITY
UNIVERSITY OF MICHIGAN
UNIVERSITY OF ROCHESTER
UNIVERSITY OF TORONTO
UNIVERSITY OF WATERLOO

Jason M. Ferguson, Aaron J. Pollack, and Tanawit Sae Sue
Timothy Heath, Daniel J. Hermes and Jeff M. Madsen
Christopher J. Kauffman, Kevin Lin, and Xiaoqing Tang
Viktoriya Krakovna, Konstantin Matveev, and Alexander Remorov
Elyot Grant, Steven N. Karp, and Dong Uk Rhee

HONORABLE MENTION—INDIVIDUALS

FARZIN BAREKAT, University of British Columbia
YAKOV I. BERCHENKO-KOGAN, California Institute of Technology
GEORGE A. BOXER, Princeton University
KEVIN S. CARDE, Harvard University
JEFFREY CHEN, Stanford University
ROBERT T. CORDWELL, University of New Mexico
HANSHENG DIAO, Massachusetts Institute of Technology
PETER Z. DIAO, Princeton University
SAMUEL J. DITTMER, Brigham Young University
SAMUEL S. ELDER, California Institute of Technology
ZHOU FAN, Harvard University
SIMION FILIP, Princeton University
MICHAEL A. FORBES, Massachusetts Institute of Technology
ANDREI FRIMU, Massachusetts Institute of Technology
JACKSON C. GORHAM, Stanford University
JEREMY M. HAHN, Massachusetts Institute of Technology
DANIEL J. HERMES, University of Michigan, Ann Arbor
MARCELLO M. HERRESHOFF, Stanford University
MATTHEW A. JORDAN, University of Maryland, College Park
YOUNG HUN JUNG, Stanford University
SHAUNAK KISHORE, Massachusetts Institute of Technology
VIKTORIYA KRAKOVNA, University of Toronto
ROSEN D. KRALEV, Harvard University
MIKHAIL P. LAVROV, Duke University
TONY J. LIU, Massachusetts Institute of Technology
XUE LIU, Princeton University
YE LUO, Massachusetts Institute of Technology

HAITAO MAO, Massachusetts Institute of Technology
KEVIN P. MODZELEWSKI, Massachusetts Institute of Technology
YONG SUK MOON, Stanford University
THANASIN NAMPAISARN, Massachusetts Institute of Technology
KEENAN Y. PEPPER, Florida State University
DAVID L. PHILIPSON, Stanford University
AARON J. POLLACK, Duke University
ERIC C. PRICE, Massachusetts Institute of Technology
ANAND B. RAJAGOPALAN, Massachusetts Institute of Technology
KRISHANU R. SANKAR, Massachusetts Institute of Technology
XUANCHENG SHAO, Massachusetts Institute of Technology
WILLIAM T. SHORE, Brown University
JEONG SOO SIM, Stanford University
YI SUN, Harvard University
KIAT CHUAN TAN, Stanford University
KENNETH J. TAY, Princeton University
JASON A. TRIGG, Massachusetts Institute of Technology
ANDREI B. UNGUREANU, Princeton University
DMITRY VAINTROB, Harvard University
AMEYA A. VELINGER, Harvard University
NEAL WADHWA, Harvard University
JEFFREY WANG, Stanford University
KUN-CHIEH WANG, Purdue University
TENGYAO WANG, Princeton University
GJERGJI ZAIMI, California Institute of Technology
ALEXANDR ZAMORZAEV, Massachusetts Institute of Technology
BENJAMIN M. ZAX, California Institute of Technology

ELIZABETH LOWELL PUTNAM PRIZE

Winner receives an award of \$1,000.

VIKTORIYA KRAKOVNA

University of Toronto

QUESTIONS COMMITTEE

Greg Kuperberg, University of California, Davis (Chair); Mark Krusemeyer, Carleton College; and Bjorn Poonen, Massachusetts Institute of Technology.

A total of 3627 students from 545 colleges and universities in Canada and the United States participated in the Competition. There were teams from 405 institutions. More complete details will appear in the *American Mathematical Monthly*.

March 1, 2009

Leonard F. Klosinski, Director; Gerald L. Alexanderson and Loren C. Larson, Associate Directors