THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

ANNOUNCEMENT OF WINNERS

of the fifty-seventh competition held on December 7, 1996

WINNING TEAMS

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<th>Rank</th>
<th>School</th>
<th>Team Members (in alphabetical order)</th>
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<td>DUKE UNIVERSITY</td>
<td>Andrew O. Dittmer, Robert R. Schneck, Noam M. Shazeer</td>
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<td>WASHINGTON UNIVERSITY, ST. LOUIS</td>
<td>Mathew B. Crawford, Daniel K. Schepler, Jade P. Vinson, Christopher C. Chang, Hui Jin, Hanhui Yuan</td>
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<td>CALIFORNIA INSTITUTE OF TECHNOLOGY</td>
<td>Christopher C. Chang, Hui Jin, Hanhui Yuan</td>
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The first place team receives an award of $7,500 and each member of the team receives $500. The awards for second place are $5,000 and $400; for third place $3,000 and $300; for fourth place $2,000 and $200; and for fifth place $1000 and $100.

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

THE PUTNAM FELLOWS—THE SIX HIGHEST RANKING INDIVIDUALS

Each receives an award of $1000.

JEREMY L. BEM
IOANA DUMITRIU
ROBERT D. KLEINBERG
DRAGOS N. OREI
DANIEL K. SCHEPLER
STEPHEN S. WANG

Cornell University
New York University
Cornell University
Harvard University
Washington University, St. Louis
Harvard University

THE NEXT FOUR HIGHEST RANKING INDIVIDUALS

Each receives an award of $500.

FEDERICO ARDILA
MICHAEL R. KORN
OVIDIU SAVIN
NOAM M. SHAZEER

Massachusetts Institute of Technology
Princeton University
University of Pittsburgh
Duke University

THE NEXT FIVE HIGHEST RANKING INDIVIDUALS

Each receives an award of $250.

ANDREW O. DITTMER
MICHAEL J. GOLDBERG
SAMUEL GRUSEVSKY
CRAIG R. HELFGOTT
ADAM W. MEYERSON

Duke University
Princeton University
Harvard University
Princeton University
Massachusetts Institute of Technology

THE NEXT TEN HIGHEST RANKING INDIVIDUALS

PRAMOD N. ACHAR
CONSTANTIN S. CHISCANU
MIKE L. DEVELIN
ANDREI C. GNEPP
HUI JIN
CARL D. JOHNSON
AMIT KHETAN
ALEXANDRU A. POPO
ROBERT RICHARD SCHNECK
CHUNG-CHIEH SHAN

Massachusetts Institute of Technology
Massachusetts Institute of Technology
Harvard University
Harvard University
California Institute of Technology
Georgia Institute of Technology
Massachusetts Institute of Technology
Princeton University
Duke University
Harvard University
HONORABLE MENTION—TEAMS

UNIVERSITY OF CHICAGO
Nathan D. Broaddus, Benjamin M. Cowan, Christopher D. Jeris

NEW YORK UNIVERSITY
Federico Ardila, Eric Kuo, Adam W. Meyerson

QUEEN'S UNIVERSITY
Aleksandr Bukharovici, Ioana Dumitriu, Yevgeniy V. Kovchegov

UNIVERSITY OF WATERLOO
Joanna L. Karczmarek, Michael A. Levi, Allan J. Roberts

HONORABLE MENTION—INDIVIDUALS

DAN E. ANGELESCU, California Institute of Technology
JASON P. BELL, University of Waterloo
NATHAN D. BROADDUS, University of Chicago
CHRISTOPHER C. CHANG, California Institute of Technology
DONNY C. CHEUNG, University of Waterloo
PATRICK K. CORN, Harvard University
JACOB ELIYOSOFF, McGill University
GALEN B. HUNTINGTON, Reed College
CHRISTOPHER D. JERIS, University of Chicago
DANIEL B. JOHNSTON, Washington University, St. Louis
JOANNA L. KARCZMAREK, Queen's University
TRAVIS J. KOPP, Stanford University
FRANÇOIS LABELLE, McGill University
ONDŘEJ LHOTÁK, University of Waterloo

ELIZABETH LOWELL PUTNAM PRIZE

Winner receives an award of $500.

IOANA DUMITRIU
New York University

QUESTIONS COMMITTEE

Mark I. Krusemeyer, Carleton College (Chair); Richard K. Guy, University of Calgary; and Michael J. Larsen, University of Pennsylvania

A total of 2,407 students from 408 colleges and universities in Canada and the United States participated in the Competition. There were teams from 294 institutions. More complete details will appear in the American Mathematical Monthly.

March 1, 1997

Leonard F. Klosinski, Director; Gerald L. Alexanderson and Loren C. Larson, Associate Directors
THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

March 4, 1997

Dear Colleague:

Enclosed is a report on your contestants in the 57th Competition and your team rank (if it was in the range 1—150), a list of the top 500 contestants (which you may wish to share with your committee on graduate students), an announcement of winners, and a list of participating schools. Some tables are given below. Your contributions to the Competition are greatly appreciated.

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

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FREQUENCY DISTRIBUTION OF PROBLEM SCORES OF THE TOP 206 CONTESTANTS

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