



William Lowell
PUTNAM
Mathematical Competition

ANNOUNCEMENT OF WINNERS

of the seventy-ninth competition held on December 1, 2018

WINNING TEAMS

Rank	School	Team Members (in alphabetical order)
1	HARVARD UNIVERSITY	Dongryul Kim, Shyam Narayanan, David Stoner
2	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Junyao Peng, Ashwin Sah, Yunkun Zhou
3	UNIVERSITY OF CALIFORNIA, LOS ANGELES	Ciprian Mircea Bonciocat, Xiaoyu Huang, Konstantin Miagkov
4	COLUMBIA UNIVERSITY	Quang Dao, Myeonhu Kim, Matthew Lerner-Brecher
5	STANFORD UNIVERSITY	David Kewei Lin, Hanzhi Zheng, Yifan Zhu

The institution with 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.

DONGRYUL KIM	Harvard University
SHYAM NARAYANAN	Harvard University
DAVID STONER	Harvard University
YUAN YAO	Massachusetts Institute of Technology
SHENGTONG ZHANG	Massachusetts Institute of Technology

THE NEXT TEN HIGHEST RANKING INDIVIDUALS

Each receives an award of \$1,000.

MURILO CORATO ZANARELLA	Princeton University
JIYANG GAO	Massachusetts Institute of Technology
ANDREW GU	Massachusetts Institute of Technology
JAMES LIN	Massachusetts Institute of Technology
MICHAEL MA	Massachusetts Institute of Technology
ASHWIN SAH	Massachusetts Institute of Technology
KEVIN SUN	Massachusetts Institute of Technology
DANIELLE WANG	Massachusetts Institute of Technology
HUNG-HSUN YU	Massachusetts Institute of Technology
YUNKUN ZHOU	Massachusetts Institute of Technology

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

ELIZABETH LOWELL PUTNAM PRIZE

The winner receives an award of \$1,000.

DANIELLE WANG

Massachusetts Institute of Technology

THE NEXT TWELVE HIGHEST RANKING INDIVIDUALS

Each receives an award of \$250.

ANKAN BHATTACHARYA

Ohio State University

XIAOYU HUANG

University of California, Los Angeles

RAY LI

University of California, Berkeley

ALLEN LIU

Massachusetts Institute of Technology

JUNYAO PENG

Massachusetts Institute of Technology

BRIAN REINHART

Massachusetts Institute of Technology

MICHAEL REN

Massachusetts Institute of Technology

DILHAN SALGADO

Carnegie Mellon University

MIHIR SINGHAL

Massachusetts Institute of Technology

ZHUO QUN SONG

Princeton University

ZHUOFAN XIE

Massachusetts Institute of Technology

KAIQI ZHU

University of California, Los Angeles

HONORABLE MENTION – INDIVIDUALS

OSMAN AKAR, University of California, Los Angeles

MYEONHU KIM, Columbia University

RAUL ALCANTARA, Massachusetts Institute of Technology

ZACK LEE, Carnegie Mellon University

ADAM BUSIS, Harvey Mudd College

GIDEON LEEPER, California Institute of Technology

DALAI CHADRAA, University of Washington, Seattle

YUAN LIAO, Boston University

HONGYI CHEN, University of Colorado, Boulder

ANDREW LIN, Massachusetts Institute of Technology

ZACHARY CHROMAN, Massachusetts Institute of Technology

DHRUV MEDARAMETLA, Stanford University

MATTHEW CRAVEN, Florida Institute of Technology

LINGJIE MEI, Massachusetts Institute of Technology

QUANG DAO, Columbia University

ERIK METZ, University of Maryland, College Park

JEFFREY DAWSON, University of British Columbia

KONSTANTIN MIAGKOV, University of California, Los Angeles

KAAN DOKMECI, Massachusetts Institute of Technology

JEET MOHAPATRA, Massachusetts Institute of Technology

JUNHAO FAN, University of California, Berkeley

ESHAAN NICHANI, Massachusetts Institute of Technology

SWAPNIL GARG, Massachusetts Institute of Technology

OTTO OSTERMAN, University of Texas at Dallas

KYLE GETTIG, University of Florida

ADVAIT PARULEKAR, Texas A&M University

ALBERT GEVORGYAN, University of Waterloo

FEI PENG, Carnegie Mellon University

ANDREW HE, Massachusetts Institute of Technology

EDWIN PENG, Carnegie Mellon University

EDWARD HOU, Carnegie Mellon University

KHANH PHAM, University of Chicago

CALVIN HSU, Massachusetts Institute of Technology

SARANESH PREMBABU, Massachusetts Institute of Technology

BRICE HUANG, Massachusetts Institute of Technology

QI QI, Massachusetts Institute of Technology

YAN HUANG, Princeton University

SEYOON RAGAVAN, Princeton University

JEFFREY HUANG, University of Texas at Austin

NIKHIL REDDY, Massachusetts Institute of Technology

CALEB JI, Washington University

SAMUEL REINEHR, Colorado School of Mines

CODY JOHNSON, Carnegie Mellon University

QIUYU REN, Massachusetts Institute of Technology

AKSHAJ KADAVERU, Massachusetts Institute of Technology

KEVIN REN, Massachusetts Institute of Technology

RICHARD KANG, University of Waterloo

PEDRO SACRAMENTO OLIVEIRAZ, University of Pennsylvania

ALEXANDER KATZ, Massachusetts Institute of Technology

SIVAKORN SANGUANMOO, University of Wisconsin, Madison

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

GIAN CORDANA SANJAYA, University of Waterloo
MAYA SANKAR, Massachusetts Institute of Technology
MEHTAAB SAWHNEY, Massachusetts Institute of Technology
CHRISTOPHER SHAO, Massachusetts Institute of Technology
JOSHUA SPECKMAN, University of Southern California
KAI SUN, University of Waterloo
SIAH YONG TAN, Stanford University
MICHAEL TANG, Massachusetts Institute of Technology
DRAKE THOMAS, University of Minnesota, Twin Cities
ANTON TRYGUB, Massachusetts Institute of Technology
IOAN VLADIMIR VINTU, Colorado College
RUNZE WANG, Swarthmore College

WILLIAM WANG, University of Pennsylvania
JIANQIAO XIA, Massachusetts Institute of Technology
YINZHAN XU, Massachusetts Institute of Technology
CHRIS XU, Massachusetts Institute of Technology
RICHARD XU, Harvard University
ALLEN YANG, Massachusetts Institute of Technology
JIT WU YAP, University of Michigan, Ann Arbor
RICHARD YI, Massachusetts Institute of Technology
ZHENYUAN ZHANG, University of Waterloo
HANZHI ZHENG, Stanford University
YIFAN ZHU, Stanford University
SIYE ZHU, Harvard University

HONORABLE MENTION – TEAMS

Listed by university in alphabetical order.

HARVEY MUDD COLLEGE
UNIVERSITY OF BRITISH COLUMBIA
UNIVERSITY OF CALIFORNIA, BERKELEY
UNIVERSITY OF MARYLAND, COLLEGE PARK
UNIVERSITY OF WATERLOO

Shyan Akmal, Adam Busis, Xuming Liang
Jeffrey Dawson, Sina Saleh, Heng Xia
Junhao Fan, Ray Li, Jonathan Xia
Aaron George, Erik Metz, Pratik Rathore
Albert Gevorgyan, Anzo Teh, Fengyang Wang

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION WAS PREPARED BY:

DANIEL ULLMAN, George Washington University – Director of the Competition
MARK KRUSEMEYER, Carleton College – Associate Director of the Competition
HARM DERKSEN, University of Michigan – Chair of the Problems Committee
IOANA DUMITRIU, University of Washington – Member of the Problems Committee
ROBIN PEMANTLE, University of Pennsylvania – Member of the Problems Committee

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Score–Rank Correspondence

Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank
114	1.5	82	19	68	50	53	114	39	239	25	447.5	11	1055.5
109	3.5	81	20	67	51.5	52	120	38	251.5	24	467.5	10	1157
100	5	80	21	66	55	51	127	37	263.5	23	495.5	9	1235
99	6	79	23	65	59	50	133.5	36	272.5	22	532.5	8	1275
97	7	78	26	64	62	49	145.5	35	281	21	572	7	1309.5
94	8	77	29	62	65.5	48	158.5	34	290.5	20	619	6	1353.5
93	9	76	31	61	70.5	47	167	33	307	19	656.5	5	1437.5
91	10	75	32	60	77	46	172.5	32	331.5	18	681	4	1576.5
89	11.5	74	33	59	82	45	176.5	31	352.5	17	708	3	1805
88	13.5	73	34.5	58	87	44	180.5	30	377	16	733	2	2182.5
87	15	72	36.5	57	93	43	185.5	29	400.5	15	760.5	1	2720
86	16	71	39	56	98.5	42	193	28	414	14	804.5	0	3824
84	17	70	42	55	104	41	206.5	27	424.5	13	866.5		
83	18	69	46.5	54	110	40	224	26	433	12	956		

Frequency Distribution of Problem Scores of the Top 477 Contestants

Score	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6
10	318	103	104	25	10	31	269	261	228	49	20	43
9	36	12	69	8	5	7	14	34	24	59	2	0
8	56	43	35	6	3	2	52	10	30	34	0	0
7	6	0	7	1	0	0	15	0	3	9	0	0
6	0	18	0	0	0	0	0	0	0	4	0	0
5	4	0	1	0	0	0	0	0	2	0	0	0
4	0	0	0	0	0	0	0	0	0	1	0	0
3	13	0	0	0	0	0	37	0	0	0	0	0
2	25	34	57	2	12	2	70	30	100	20	4	2
1	7	55	16	9	120	11	2	8	48	11	2	6
0	11	143	129	191	136	176	12	81	16	138	166	158
NA	1	69	59	235	191	248	6	52	26	152	283	268

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Students Ranked 1–193

Listed by university in alphabetical order.

Boston University, Boston, MA

Yuan Liao

Yuxuan Zhang

Brigham Young University, Provo, UT

Gradin Anderson

California Institute of Technology, Pasadena, CA

August Chen

Jing Ding

Zachary Chase

Gideon Leeper

Lazar Ilic

Haoxuan Chen

Yanke Song

Carnegie Mellon University, Pittsburgh, PA

Cody Johnson

Fei Peng

Yiwei Lyu

Dilhan Salgado

Junghwan Min

Yucheng Dai

Edward Hou

Maxwell Aires

Yuheng Guo

Edwin Peng

Mikhail Ivkov

Zack Lee

Eugene Lee

Omar Alrabiah

Evan Fang

Philip Lamkin

Colorado College, Colorado Springs, CO

Ioan Vladimir Vintu

Colorado School of Mines, Golden, CO

Samuel Reinehr

Columbia University, New York City, NY

Matthew Lerner Brecher

Myeonhu Kim

Quang Dao

Cornell University, Ithaca, NY

Qingxuan Jiang

Florida Institute of Technology, Melbourne, FL

Feng Gui Junghyun Hwang

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Florida State University, Tallahassee, FL

Graham O'Donnell

Harvard University, Cambridge, MA

Avi Swartz	Franklyn Wang	Richard Xu
David Stoner	Jacob Klegar	Shyam Narayanan
Dongryul Kim	Mark Kong	Siye Zhu
Fabio Pruneri	Matthew Hase Liu	

Harvey Mudd College, Claremont, CA

Adam Busis	Shyan Akmal	Xuming Liang
Mengyi Shan		

Massachusetts Institute of Technology, Cambridge, MA

Akshaj Kadaveru	Farrell Eldrian Wu	Mihir Singhal
Aleksandre Saatashvili	Gabriel Mintzer	Nikhil Reddy
Alexander Gu	Hung-Hsun Yu	Patrick Wang
Alexander Katz	James Lin	Peter Rowley
Allen Liu	Jason Lu	Qi Qi
Allen Yang	Jeet Mohapatra	Qiuyu Ren
Andrew Gu	Jeremy Mcculloch	Rachel Zhang
Andrew He	Jianqiao Xia	Rahul Yesantharao
Andrew Lin	Jiyang Gao	Raul Alcantara
Anton Trygub	John Wu	Richard Yi
Aruzhan Amanbayeva	Joshua Lee	Ruidi Cao
Ashwin Sah	Junyao Peng	Saranesh Prembabu
Brian Reinhart	Kaan Dokmeci	Shengtong Zhang
Brice Huang	Kevin Ren	Srijon Mukherjee
Calvin Hsu	Kevin Sun	Swapnil Garg
Calvin Lee	Kritkorn Karntikoon	Yinzhan Xu
Chris Xu	Lingjie Mei	Yuan Yao
Christopher Shao	Maya Sankar	Yunkun Zhou
Daniel Liu	Mehtaab Sawhney	Yuqing Xie
Danielle Wang	Michael Ma	Zachary Chroman
Edwin Song	Michael Ren	Zhuofan Xie
Eshaan Nichani	Michael Tang	

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Miami University, Oxford, OH

Robert Krueger

Michigan State University, East Lansing, MI

Mohit Bansil

Ohio State University, Columbus, OH

Ankan Bhattacharya

Princeton University, Princeton, NJ

Aleco Leng

Kapil Chandran

Murilo Corato Zanarella

Atanas Dinev

Marko Medvedev

Seyoon Ragavan

Byron Chin

Matthew Tyler

Yan Huang

Eric Neyman

Michael Gintz

Zhuo Qun Song

Joao Vargas

Miles Lee

Rensselaer Polytechnic Institute, Troy, NY

Paween Pitimanaaree

St. Olaf College, Northfield, MN

Jakob Hofstad

Stanford University, Stanford, CA

David Kewei Lin

Hanzhi Zheng

Siah Yong Tan

Dhruv Medarametla

Jae Hee Lee

Yifan Zhu

Swarthmore College, Swarthmore, PA

Runze Wang

Syracuse University, Syracuse, NY

Xuerui Yang

Texas A&M University, College Station, TX

Advait Parulekar

Matthew Kroesche

University of British Columbia Vancouver, Vancouver, BC, Canada

Heng Xia

Jeffrey Dawson

University of California, Berkeley, Berkeley, CA

Jiannan Jiang

Junhao Fan

Ray Li

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

University of California, Los Angeles, Los Angeles, CA

Ciprian Mircea Bonciocat	Konstantin Miagkov	Xiaoyu Huang
Justin Li	Minghao Pan	
Kaiqi Zhu	Osman Akar	

University of California, San Diego, San Diego, CA

Tianyao Xu

University of Chicago, Chicago, IL

Khanh Pham	Vijay Srinivasan
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University of Colorado, Boulder, Boulder, CO

Hongyi Chen

University of Florida, Gainesville, FL

Kyle Gettig

University of Illinois at Urbana-Champaign, Champaign, IL

Ziyi Chen

University of Maryland, College Park, College Park, MD

Aaron George	Joshua Fernandes	Pratik Rathore
Erik Metz		

University of Michigan, Ann Arbor, Ann Arbor, MI

Jit Wu Yap

University of Minnesota, Twin Cities, Minneapolis, MN

Drake Thomas	Utkarsh Koshti
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University of Pennsylvania, Philadelphia, PA

Pedro Sacramento Oliveiraz	William Wang
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University of Rochester, Rochester, NY

Phuc Lam	Zachary Polansky
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University of Southern California, Los Angeles, CA

Joshua Speckman

University of Texas at Austin, Austin, TX

Jeffrey Huang	Yifan Jiang
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THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

University of Texas at Dallas, Richardson, TX

Otto Osterman

University of Toronto, Toronto, ON, Canada

Andrey Khesin

Dmitry Paramonov

Samuel Li

University of Washington, Seattle, WA

Bodrol Olonbaatar

Dalai Chadraa

Thomas Browning

University of Waterloo, Waterloo, ON, Canada

Albert Gevorgyan

Jason Yuen

Richard Kang

Anzo Teh

Kai Sun

Zhenyuan Zhang

Gian Cordana Sanjaya

Michael Pang

University of Wisconsin, Madison, Madison, WI

Chenghui Li

Liwei Jiang

Sivakorn Sanguanmoo

Washington University in St. Louis, University City, St. Louis, MO

Caleb Ji

Joseph Walegir

Yale University, New Haven, CT

Daniel Gershenson

Joshua Hinman

Yuxuan Ke

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Students Ranked 206–495.5

Listed by university in alphabetical order.

Arizona State University, Tempe, AZ

Liam Lawson

Bard College at Simon's Rock, Great Barrington, MA

Yonghao Yu

Bob Jones University, Greenville, SC

Erick Ross

Brigham Young University, Provo, UT

Erik Parkinson

Jonathan Hales

Thomas Draper

Brown University, Providence, RI

George Spahn

Nikolai Illarionov

Timothy Sudijono

California Institute of Technology, Pasadena, CA

Andrew Bai

Erich Liang

Michael Seaman

Daniel Zhou

Mayank Pandey

Vinayak Kumar

Carleton College, Northfield, MN

Trevor Flash Thompson

Carnegie Mellon University, Pittsburgh, PA

Albert Lu

Isaac Browne

Weihan Li

Albert Xu

Jianming Wang

Wenze Shi

Brandon Jiang

Joshua Abrams

William Liu

Chittesh Thavamani

Jung Joo Suh

Xiaorong Zhang

David Altizio

Keerthana Gurushankar

Xiruo Zhang

Garrett Brothers

Liam Thomas

Yang Yang

Geyang Qin

Matthew Shi

Yuepeng Yang

Gunmay Handa

Ramgopal Venkateswaran

Zachary Sussman

Hang Liao

Ruoyuan Liu

Zhiyang He

Hongyi Zhou

Tudor Popescu

Zimu Xiang

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Case Western Reserve University, Cleveland, OH

Benjamin Cheung

City College of New York, New York City, NY

Nicolas Naing

Clemson University, Clemson, SC

Robert Melville

Columbia University, New York City, NY

Anton Wu

Lori Leu

Ruiqi Zhong

Junhui Zhang

Cornell University, Ithaca, NY

Aaron Lou

Jiazhen Tan

Sofya Bykova

Alexander Xue

Leo Huang

Zhicheng Wang

Aryeh Krischer

Linchen Ahang

Dartmouth College, Hanover, NH

Raymond Chen

Duke University, Durham, NC

Alexandru Damian

Junghyun Hwang

Steven Li

Jerry Liu

Shicheng Rao

Emory University, Atlanta, GA

Tao Zhou

Florida Atlantic University, Boca Raton, FL

Logan Dymond

Florida International University, Miami, FL

Fatima Afzali

Foothill College, Los Altos Hills, CA

Raiymbek Akshulakov

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

George Mason University, Fairfax, VA

Julian Benali

Georgia Institute of Technology, Atlanta, GA

Nathan Soedjak

Timothy Giesecking

Xiaoqi Peng

Shyamal Patel

Grinnell College, Grinnell, IA

Jonathan Sadun

Harvard University, Cambridge, MA

Arav Karighattam

Raluca Vlad

Vincent Pan

Elbert Du

Stefan Spataru

William Zhang

Eric Bornstein

Vaughan Mcdonald

Harvey Mudd College, Claremont, CA

Christopher Mcelroy

Jacob Cordeiro

Richard Shapley

Jacky Lee

Jordan Haack

Steven Litvack-Winkler

Haverford College, Haverford, PA

Aaron Kriegman

Joao Pedro Mello De Carvalho

Iowa State University, Ames, IA

Ben Frankel

Johns Hopkins University, Baltimore, MD

Brian Wen

Kyle Gatesman

Tanuj Alapati

Daniel Chu

Nathan Vallapureddy

Lake Forest College, Lake Forest, IL

Niam Abeysiriwardena

Lehigh University, Bethlehem, PA

Chesphongphach Buranasilp

Suchakree Chueluecha

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Massachusetts Institute of Technology, Cambridge, MA

Aayush Gupta	Jeffery Yu	Peter Mizes
Agustin Garcia	Jiaxin Zhang	Sathwik Karnik
Alan Peng	Joshua Yoon	Scott Becker
Anders Olsen	Julian Wellman	Shreyas Balaji
Anna Ellison	Jung Soo Chu	Sujay Kazi
Ashwath Thirumalai	Katherine Cheng	Sushrutha Reddy
Calvin Yost Wolff	Kevin Yang	Ting Chun Lin
Daniel Barnett	Lillian Zhang	Varkey Alumootil
Daniel Wang	Matthew Ellison	Yiran Cai
Dhruv Rohatgi	Max Murin	Yogeshwar Velingker
Fan Ye	Maxwell Fishelson	Zachary Farr
Faraz Masroor	Meghal Gupta	Zachary Obsniuk
Haimoshri Das	Michael Kural	
Handong Wang	Michelle Shen	

Michigan State University, East Lansing, MI

Luken Wiljanen	Neel Modi
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New York University, New York City, NY

Aadil Bhole	Daniil Glukhovskiy	Tatiana Ezubova
Anh Le Xuan Mai	Hongkangp Yang	

Northeastern University, Boston, MA

Alon Duvall	Benjamin Quiring
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Northwestern University, Evanston, IL

Aidan Perreault	Fiona Brady
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Oberlin College, Oberlin, OH

Liam Axon

Ohio State University, Columbus, OH

Rushil Raghavan

Pennsylvania State University, State College, PA

Kedar Karhadkar

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Princeton University, Princeton, NJ

Alice Lin	Jackson Blitz	Stefan Tudose
Andrei Graur	Jacob Wachspress	Tristan Pollner
David Fitzpatrick	Kai Zheng	Victoria Talvola
Gary Hu	Nathan Bergman	Xiaorun Wu
George Bentley	Patrick Hompe	Yang Song
Igor Medvedev	Samuel Mathers	

Purdue University, West Lafayette, IN

Nathan Hu

Purdue University Fort Wayne, Fort Wayne, IN

Giang Le

Queen's University, Kingston, ON, Canada

Riley Becker

Rice University, Houston, TX

Mark Helman	Mark Saving	Shaquille Wyan Que
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Rose-Hulman Institute of Technology, Terre Haute, IN

Bochuan Lyu	Jiasheng Hu
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Rutgers University, Piscataway, NJ

Steve Hsu

Stanford University, Stanford, CA

Andrew Chen	Ian Ruohoniemi	Sam Redmond
Andrew Lin	Nina Zubrilina	Tai Vu
Ben Heller	Pengda Liu	Wanqi Zhu
Chady Ben Hamida	Phil Chen	Yelena Mandelshtam
Emily Wen	Prasanna Ramakrishnan	Young Han Kim

Stony Brook University, Stony Brook, NY

Maciej Wlodek

Swarthmore College, Swarthmore, PA

Zhicheng Fan

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

University at Buffalo, Buffalo, NY

Matthew Eichhorn

University of British Columbia, Vancouver, BC, Canada

Brandon Zhang

Sina Saleh

Victor Wang

University of California, Berkeley, Berkeley, CA

Allen Shen

Jonathan Xia

Yanlai Yang

Alvin Kao

Nathan Kenshur

Yuanning Zhang

Eunice Sukarto

Nikhil Sahoo

James Leng

Reid Johnson

University of California, Los Angeles, Los Angeles, CA

Alexandru Pascadi

Jacob Zhang

Yan Tao

Bryan Hu

Ken Willyard

University of California, San Diego, La Jolla, CA

Shuangquan Feng

Tianyi Yu

Tomas Choi

University of California, Santa Barbara, Santa Barbara, CA

Alex Xu

Yewen Sun

University of Chicago, Chicago, IL

Alex Eastman

Trevor Moore

Zicheng Zhen

Hari Pingali

Xifan Yu

Zihao Li

Naomi Sweeting

Yutong Qing

University of Illinois at Urbana–Champaign, Champaign, IL

Alan Hu

Kieran Kaempfen

Weiru Chen

Jason Xia

Samuel Guo

University of Maryland, College Park, College Park, MD

Justin Hontz

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

University of Michigan, Ann Arbor, Ann Arbor, MI

Aman Karunakaran

Noah Luntzlara

Yuxuan Bao

Conor Thompson

Omer Siddiqui

University of Minnesota, Morris, Morris, MN

Tyrus Martin

University of Minnesota, Twin Cities, Minneapolis, MN

Beren Gunsolus

Nhung Pham

University of Nebraska, Lincoln, Lincoln, NE

Alex Heitzman

University of North Carolina at Chapel Hill, Chapel Hill, NC

Robert Zeller

University of North Texas, Denton, TX

Rhythm Garg

University of Notre Dame, Notre Dame, IN

Yuxin Lin

University of Pennsylvania, Philadelphia, PA

Benjamin Foster

John Zhang

Zachary Sekaran

James Chapman

University of Pittsburg, Pittsburg, PA

Connor Schwartz

University of Rochester, Rochester, NY

Trung Nguyen

University of Southern California, Los Angeles, CA

Jingxin Zhang

University of Texas at Austin, Austin, TX

Aditya Parulekar

Alexander Li

Dachey Lin

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

University of Texas at Dallas, Richardson, TX

Grant Zierer

University of Toronto, Toronto, ON, Canada

Calder Morton Ferguson

Nathaniel Libman

Yukai Zhang

Jennifer Guo

Rafael Aznar

Jerry Bao

Yexinhao Zhou

University of Vermont, Burlington, VT

Phuc Tran

University of Washington, Seattle, WA

Everett Cheng

Rory Soiffer

University of Waterloo, Waterloo, ON, Canada

Anton Iliashenko

Jihanjie Luo

Timothy Wahyudi

Clive Chan

Nicholas Sun

Wanchun Shen

Felix Bauckholt

Reyno Tilikaynen

Xinyu Wang

Fengyang Wang

Robert Cummings

Yizhe Liu

Frieda Rong

Ruben Partono

Hunter Hong

Sina Abbasi

University of Wisconsin, Madison, Madison, WI

Mingxuan Wu

Tairan Ma

Ruiting Tong

Xiixin Li

Virginia Polytechnic Institute and State University, Blacksburg, VA

William Craig

Washington and Lee University, Lexington, VA

Hung Chu

Washington University, University City, St. Louis, MO

Dawei Shen

Matthew Ehren

Sam Heil

Jongwhan Park

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Wesleyan University, Middletown, CT

Di Chen

Haochen Gao

Williams College, Williamstown, MA

Chenyang Sun

Richard Wu

Worcester State University, Worcester, MA

Nicholas Vea

Yale University, New Haven, CT

Agasha Ratam

Hui Yang

Michael Homg

Andrew Wei

Jack Hirsch

Noah Kravitz

Anthony Ji

Lifeng Wang

Steven Ma

Christopher Xue

Max Ranis

Tyler Shen

Elaine Hou

Michael Doppelt