



William Lowell
PUTNAM
Mathematical Competition

ANNOUNCEMENT OF WINNERS

of the eightieth competition held on December 7, 2019

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.

ASHWIN SAH	Massachusetts Institute of Technology
KEVIN SUN	Massachusetts Institute of Technology
YUAN YAO	Massachusetts Institute of Technology
SHENGTONG ZHANG	Massachusetts Institute of Technology
DANIEL ZHU	Massachusetts Institute of Technology

THE NEXT ELEVEN HIGHEST RANKING INDIVIDUALS

Each receives an award of \$1,000.

ADAM ARDEISHAR	Massachusetts Institute of Technology
ANKAN BHATTACHARYA	Ohio State University
ANDREW GU	Massachusetts Institute of Technology
DAVID KEWEI LIN	Stanford University
ALLEN LIU	Massachusetts Institute of Technology
JUNYAO PENG	Massachusetts Institute of Technology
QIUYU REN	Massachusetts Institute of Technology
CARL SCHILDKRAUT	Massachusetts Institute of Technology
MIHIR SINGHAL	Massachusetts Institute of Technology
RUI YAO	Massachusetts Institute of Technology
WILLIAM ZHAO	Massachusetts Institute of Technology

THE NEXT TWELVE HIGHEST RANKING INDIVIDUALS

Each receives an award of \$250.

JIYANG GAO	Massachusetts Institute of Technology
DAIN KIM	Massachusetts Institute of Technology
MYEONHU KIM	Columbia University
TINGCHUN LIN	Massachusetts Institute of Technology
DANIEL LIU	Massachusetts Institute of Technology
KEVIN LIU	Massachusetts Institute of Technology
ESHAAN NICHANI	Massachusetts Institute of Technology
MICHAEL REN	Massachusetts Institute of Technology
VICTOR RONG	Massachusetts Institute of Technology

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

SHELDON KIEREN TAN
FRANKLYN WANG
JACOB ZHANG

Harvard University
Harvard University
University of California, Los Angeles

HONORABLE MENTION – INDIVIDUALS

RAUL ALCANTARA, Massachusetts Institute of Technology
KIRIL BANGACHEV, Princeton University
ADAM BERTELLI, Carnegie Mellon University
VINCENT BIAN, Massachusetts Institute of Technology
JACKSON BLITZ, Princeton University
CIPRIAN BONCIOCAT, University of California, Los Angeles
KRIT BOONSIRISETH, Massachusetts Institute of Technology
MERRICK CAI, Massachusetts Institute of Technology
IAN CHEUNG, University of Waterloo
SUCHAKREE CHUELUECHA, Lehigh University
ALEXANDRU DAMIAN, Duke University
QUANG DAO, Columbia University
KAAN DOKMECI, Massachusetts Institute of Technology
THOMAS DRAPER, Brigham Young University
JUNHAO FAN, University of California Berkeley
SWAPNIL GARG, Massachusetts Institute of Technology
ALBERT GEVORGYAN, University of Waterloo
EDWARD HOU, Carnegie Mellon University
JEFFREY HUANG, University of Texas, Austin
VINCENT HUANG, Massachusetts Institute of Technology
JUNGHYUN HWANG, Duke University
SEBASTIAN JEON, Massachusetts Institute of Technology
AKSHAJ KADAVERU, Massachusetts Institute of Technology
FATIH KALEOGLU, Princeton University
SEHUN KIM, Harvard University
PHUC LAM, University of Rochester
EUGENE LEE, Carnegie Mellon University
AUSTIN LEI, University of California Berkeley
ALEXANDER LI, University of Texas, Austin
JEFFERY LI, Massachusetts Institute of Technology
SAMUEL LI, University of Toronto
YI LI, Duke University
ANDREW LIN, Massachusetts Institute of Technology
DACHEY LIN, University of Texas, Austin
JAMES LIN, Massachusetts Institute of Technology
DYLAN LIU, Massachusetts Institute of Technology
JASON LIU, University of Nevada, Reno
STEVEN LIU, Massachusetts Institute of Technology
FRANK LU, Princeton University
MICHAEL MA, Massachusetts Institute of Technology
ERIK METZ, University of Maryland, College Park

ALEKSA MILOJEVIC, Princeton University
JOHN MISTELE, Stanford University
SRIJON MUKHERJEE, Massachusetts Institute of Technology
ADITYA PARULEKAR, University of Texas, Austin
LAURA PIERSON, Harvard University
QI QI, Massachusetts Institute of Technology
CARL JOSHUA QUINES, Massachusetts Institute of Technology
SEYOON RAGAVAN, Princeton University
BRIAN REINHART, Massachusetts Institute of Technology
KEVIN REN, Massachusetts Institute of Technology
PEDRO SACRAMENTO, University of Pennsylvania
DILHAN SALGADO, Carnegie Mellon University
SIVAKORN SANGUANMOO, University of Wisconsin, Madison
GIAN CORDANA SANJAYA, University of Waterloo
MEHTAAB SAWHNEY, Massachusetts Institute of Technology
TRISTAN SHIN, Massachusetts Institute of Technology
ALEC SUN, Harvard University
KAI SUN, University of Waterloo
COLIN TANG, Massachusetts Institute of Technology
MICHAEL TANG, Massachusetts Institute of Technology
ANZO ZHAO YANG TEH, University of Waterloo
ANTON TRYGUB, Massachusetts Institute of Technology
SAAKETH VEDANTAM, Massachusetts Institute of Technology
RAN WANG, Yale University
SHIHYU WANG, Massachusetts Institute of Technology
STANLEY WANG, Massachusetts Institute of Technology
ZHUOFAN XIE, Massachusetts Institute of Technology
CHRIS XU, Massachusetts Institute of Technology
GUANPENG XU, Massachusetts Institute of Technology
ALAN YAN, Princeton University
RUZHANG YANG, University of Illinois at Urbana-Champaign
RICHARD YI, Massachusetts Institute of Technology
GRANT YU, Stony Brook University
HUNG-HSUN YU, Massachusetts Institute of Technology
RUNZE YU, University of California, Los Angeles
HANZHI ZHENG, Stanford University
BAIQING ZHU, University of California, Los Angeles
KAIQI ZHU, University of California, Los Angeles
YIFAN ZHU, Stanford University

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

ELIZABETH LOWELL PUTNAM PRIZE

Each receives an award of \$1,000.

LAURA PIERSON

QI QI

HANZHI ZHENG

Harvard University

Massachusetts Institute of Technology

Stanford University

WINNING TEAMS

Rank	School	Team Members (in alphabetical order)
1	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Ashwin Sah, Shengtong Zhang, Daniel Zhu
2	HARVARD UNIVERSITY	Sehun Kim, Sheldon Kieren Tan, Franklyn Wang
3	STANFORD UNIVERSITY	David Kewei Lin, John Mistele, Hanzhi Zheng, Yifan Zhu
4	UNIVERSITY OF CALIFORNIA, LOS ANGELES	Ciprian Bonciocat, Jacob Zhang, Kaiqi Zhu
5	UNIVERSITY OF WATERLOO	Gian Cordana Sanjaya, Kai Sun, Anzo Zhao Yang Teh

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, respectively. For third place, \$15,000 and \$600; for fourth place, \$10,000 and \$400; for fifth place, \$5,000 and \$200. Where four names are mentioned, there was a tie for third place at that institution.

HONORABLE MENTION – TEAMS

Listed by university in alphabetical order.

CARNEGIE MELLON UNIVERSITY
COLUMBIA UNIVERSITY
PRINCETON UNIVERSITY
UNIVERSITY OF CALIFORNIA, BERKELEY
UNIVERSITY OF TEXAS, AUSTIN

Edward Hou, Eugene Lee, Dilhan Salgado
Quang Dao, Myeonhu Kim, Matthew Lerner-Brecher
Kiril Bangachev, Aleksa Milojevic, Seyoon Ragavan, Alan Yan
Junhao Fan, Haydn Gwyn, Austin Lei, Tyler Zhu
Jeffrey Huang, Alexander Li, Dachev Lin, Aditya Parulekar

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION WAS PREPARED BY:

ANDREW BERNOFF, Harvey Mudd College – Member of the Problems Committee
IOANA DUMITRIU, University of California, San Diego – Chair of the Problems Committee
ROBIN PEMANTLE, University of Pennsylvania – Member of the Problems Committee
DANIEL ULLMAN, George Washington University – Director of the Competition
MARK KRUSEMEYER, Carleton College - Associate Director of the Competition

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Score–Rank Correspondence

Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank	Score	Rank
120	1	90	19	68	41	53	84.5	38	192	24	384	10	1088.5
119	2.5	89	20	67	43.5	52	86.5	37	199	23	403	9	1235.5
117	4	87	21	66	45	51	90.5	36	206	22	436	8	1368
103	5	85	22	65	47	50	101	35	212	21	478.5	7	1483
102	6	82	23	64	49	49	114	34	218.5	20	532	6	1558
101	7.5	81	24	63	51	48	122	33	227	19	585.5	5	1606.5
100	9	80	26.5	62	53.5	47	126.5	32	236.5	18	627	4	1680.5
99	10	79	29.5	61	56.5	45	129.5	31	249.5	17	667	3	1831.5
98	11	76	31	60	61.5	44	133.5	30	276	16	698	2	2103
97	12.5	75	32	59	67	43	138	29	306.5	15	722	1	2447.5
95	14	73	33	58	73	42	143.5	28	327.5	14	758.5	0	3428
94	15.5	72	34.5	57	77	41	153	27	344.5	13	807.5		
92	17	71	37	56	79	40	168	26	360	12	879		
91	18	69	39	54	82	39	183.5	25	371.5	11	970		

Frequency Distribution of Problem Scores of the Top 414 Contestants

Score	A1	A2	A3	A4	A5	A6	B1	B2	B3	B4	B5	B6
10	207	290	128	36	72	8	189	92	41	25	138	59
9	38	19	6	5	21	7	106	20	2	8	13	0
8	84	10	1	2	4	2	21	4	1	3	7	0
7	17	0	0	0	4	0	14	0	2	2	0	0
6	0	4	0	0	0	1	0	0	0	0	0	0
5	0	0	0	0	5	0	0	0	0	0	0	3
4	32	0	1	0	4	0	0	4	0	15	1	0
3	9	0	0	0	2	1	2	1	0	11	0	0
2	4	4	58	2	7	2	54	1	7	10	9	93
1	4	5	12	4	33	8	8	2	4	9	10	7
0	9	42	87	109	95	80	14	135	162	52	81	32
NA	10	40	121	256	167	305	6	155	195	279	155	220

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Students Ranked 1–192

Listed by university in alphabetical order.

Arizona State University, Tempe, AZ

Walker Kroubalkian

Liam Lawson

Brigham Young University, Provo, UT

Thomas Draper

Daniel South

California Institute of Technology, Pasadena, CA

Haoxuan Chen

Jing Ding

Carnegie Mellon University, Pittsburgh, PA

Maxwell Aires

Omar Alrabiah

Adam Bertelli

Yucheng Dai

Samuel Delatore

Howard Halim

Edward Hou

Konwoo Kim

Taekseung Kim

Thomas Lam

Eugene Lee

Edwin Peng

Dilhan Salgado

Khunpob Sereesuchart

Evan Wu

Zimu Xiang

Daniel Zeng

Brad Zhang

Columbia University, New York City, NY

Rafay Ashary

Quang Dao

Myeonhu Kim

Matthew Lerner-Brecher

Duke University, Durham, NC

Feng Cong

Alexandru Damian

Junghyun Hwang

Yi Li

Florida State University, Tallahassee, FL

Graham O'Donnell

Harvard University, Cambridge, MA

Serina Hu

Sehun Kim

Mark Kong

Laura Pierson

Alec Sun

Sheldon Kieren Tan

Franklyn Wang

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Lehigh University, Bethlehem, PA

Suchakree Chueluecha

Massachusetts Institute of Technology, Cambridge, MA

Raul Alcantara

Adam Ardeishar

Vincent Bian

Krit Boonsiriseth

Merrick Cai

Anton Cao

Zachary Chroman

Kaan Dokmeci

Jiyang Gao

Swapnil Garg

Andrew Gu

Milan Haiman

Alina Harbuzova

Calvin Hsu

Vincent Huang

Sebastian Jeon

Akshaj Kadaveru

Sujay Kazi

Dain Kim

Michael Kural

Nurullah Giray Kuru

Jeffery Li

Andrew Lin

James Lin

Tingchun Lin

Allen Liu

Daniel Liu

Dylan Liu

Kevin Liu

Steven Liu

Victor Luo

Michael Ma

Lingjie Mei

Srijon Mukherjee

Eshaan Nichani

Anders Olsen

Alan Peng

Junyao Peng

Qi Qi

Carl Joshua Quines

Brian Reinhart

Kevin Ren

Michael Ren

Qiuyu Ren

Victor Rong

Ashwin Sah

Mehtaab Sawhney

Carl Schildkraut

Tristan Shin

Mihir Singhal

Kevin Sun

Colin Tang

Michael Tang

Anton Trygub

Saaketh Vedantam

Allen Wang

Daniel Wang

Shihyu Wang

Stanley Wang

Xunjing Wei

Julian Wellman

Catherine Wu

Farrell Eldrian Wu

Yuqing Xie

Zhuofan Xie

Chris Xu

Guanpeng Xu

Rui Yao

Yuan Yao

Richard Yi

Joshua Yoon

Hung-Hsun Yu

Shengtong Zhang

Freddie Zhao

William Zhao

Daniel Zhu

Michigan State University, East Lansing, MI

Mohit Bansil

Northeastern University, Boston, MA

Noble Mushtak

Ohio State University, Columbus, OH

Ankan Bhattacharya

Princeton University, Princeton, NJ

Kiril Bangachev

Jackson Blitz

Kapil Chandran

Atanas Dinev

Fatih Kaleoglu

Frank Lu

Marko Medvedev

Igor Medvedev

Aleksa Milojevic

Tristan Pollner

Seyoon Ragavan

Stefan Tudose

Alan Yan

Rice University, Houston, TX

Mark Saving

Rose-Hulman Institute of Technology, Haute, IN

Reed Phillips

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Rutgers, State University of New Jersey, New Brunswick, NJ

Nicholas McConnell

Southern Methodist University, Dallas, TX

Phuoc Dinh Le

Stanford University, Stanford, CA

David Kewei Lin

John Mistele

Siah Yong Tan

Tai Vu

William Xi

Hanzhi Zheng

Yifan Zhu

Stony Brook University, Stony Brook, NY

Grant Yu

Swarthmore College, Swarthmore, PA

Runze Wang

University of California, Berkeley, CA

Junhao Fan

Haydn Gwyn

Austin Lei

Justin Yokota

Tyler Zhu

University of California, Los Angeles, CA

Ciprian Bonciocat

Alexander Wong

Runze Yu

Jacob Zhang

Baiqing Zhu

Kaiqi Zhu

University of Chicago, Chicago, IL

Vijay Srinivasan

University of Illinois, Urbana-Champaign, IL

Pavle Vuksanovic

Ruzhang Yang

University of Maryland, College Park, MD

Steppan Konoplev

Erik Metz

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

University of Michigan, Ann Arbor, MI

Zijian Cheng

University of Nevada, Reno, NV

Jason Liu

University of Pennsylvania, Philadelphia, PA

Pedro Sacramento

University of Rochester, Rochester, NY

Phuc Lam

University of Texas, Austin, TX

Jeffrey Huang

Alexander Li

Dachey Lin

Aditya Parulekar

University of Toronto, Toronto, ON, Canada

Tony An

Ruotong Cheng

Samuel Li

Jing Wang

University of Washington, Seattle, WA

Dalai Chadraa

University of Waterloo, Waterloo, ON, Canada

Ian Cheung

Yen-Kang Fu

Albert Gevorgyan

Gian Cordana Sanjaya

Gary Sun

Kai Sun

Nicholas Sun

Anzo Zhao Yang Teh

Valentino Dante Tjowasi

Timothy Jacob Wahyudi

Scott Xu

Jun Yan

University of Wisconsin, Madison, WI

Sivakorn Sanguanmoo

Ruiting Tong

Washington University, St. Louis, MO

Jongwhan Park

Dawei Shen

Nathan Smith

Yale University, New Haven, CT

Ashwin Agnihotri

Ran Wang

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Students Ranked 199–478.5

Listed by university in alphabetical order.

Amherst College, Amherst, MA

Ethan Spingarn

Arizona State University, Tempe, AZ

Aareyan Manzoor

Tanner Reese

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

Jianxiang Cui

Baruch College, New York City, NY

Cheng Ni

Bob Jones University, Greenville, SC

Erick Ross

Boston University, Boston, MA

Shousen Lu

Bowdoin College, Brunswick, ME

Nawapan Wattanawanichkul

Brown University, Providence, RI

Alexander Bauman

Carter Cobb

James Ding

Nikolai Illarionov

Derik Kauffman

Elliott Lehrer

Zhiyuan Zhou

California Institute of Technology, Pasadena, CA

August Chen

Akshay Gowrishankar

Wenyan Guan

Vinayak Kumar

Mayank Pandey

Daniel Zhou

Carleton College, Northfield, MN

Wasin Meesena

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Carnegie Mellon University, Pittsburgh, PA

Zhijie Chen	Philip Lamkin	An Tang
Winston Cheung	Zack Lee	Chittesh Thavamani
Shaan Dave	William Liu	Liam Thomas
Evan Fang	Yipeng Liu	Haveesh Viswanatha
Yuqi Gong	Ethan Lu	Bo Wu
Haiwei Gu	Yiwei Lyu	Albert Xu
Gunmay Handa	Vladyslav Oleksenko	Gan Yang
Scott Harvey-Arnold	Fei Peng	Yuepeng Yang
Eric Huang	Geyang Qin	Gregory Zelevinsky
Mikhail Ivkov	Matthew Shi	Siqi Zeng
Callan Jacobus	Wenze Shi	Hongyi Zhou
Rohit Kopparthy	Jung Joo Suh	Kevin Zhou
Vinod Krishnamoorthy	Justin Sun	

Carthage College, Kenosha, WI

David Zikel

Centre College, Danville, KY

Wangdong Jia

Colby College, Waterville, ME

Qidong He

Colorado College, Colorado Springs, CO

Ioan Vladimir Vintu

Columbia University, New York City, NY

Gregory Pershing
Zhenfeng Tu
Anton Wu
Tianyu Zhang
Jesse Zhong

Cornell University, Ithaca, NY

Ritwick Bhargava
Sofya Bykova
Qingxuan Jiang
Aaron Lou
Mikhail Molodyk
Daniel Sarnecki
Arthur Tanjaya

Dalhousie University, Halifax, NS, Canada

Xiaoyu Jia

Dartmouth College, Hanover, NH

Eashwar Sivarajan

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

De Anza College, Cupertino, CA

Hoang Duc

Duke University, Durham, NC

Muchang Bahng

Xinchun Hu

Daniel Hwang

Steven Li

Jerry Liu

Yijia Liu

Shicheng Rao

Zeyu Shen

Haoyang Yu

Yinhong Zhao

George Mason University, Fairfax, VA

Matthew Kearney

Georgia Institute of Technology, Atlanta, GA

Mridul Bansal

Tolson Bell

Jeffrey Chang

Alvin Chiu

Daniel Hathcock

Shyamal Patel

Kalen Patton

Matthew York

Eric Zhu

Harvard University, Cambridge, MA

Noah Fechterpradines

Gaurav Goel

Aayush Karan

Allen Liu

Andrew Lu

Siva Muthupalaniappan

Sean Anderson Ty

William Zhang

Fan Zhou

Harvey Mudd College, Claremont, CA

Isabella Duan

Mathus Leungpathomaram

Xuming Liang

Steven Litvack-Winkler

Mengyi Shan

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Haverford College, Haverford, PA

Aaron Kriegman
Joao Pedro Mello De Carvalho

Johns Hopkins University, Baltimore, MD

Daniel Chu
Kyle Gatesman

Lehigh University, Bethlehem, PA

Chesphongphach Buranasilp

Massachusetts Institute of Technology, Cambridge, MA

Aruzhan Amanbayeva	Mark Jabbour	Yuting Qin
Amir Hizami Anuar	Edwardd Jin	Nikhil Reddy
Daniel Barnett	Gabriel Kammer	Dhruv Rohatgi
Matthew Cho	Ryan Kim	Aleksandre Saatashvili
Zawad Chowdhury	Daishi Kiyohara	Maya Sankar
Haimoshri Das	Aleksa Konstantinov	Toomas Tennisberg
Freya Edholm	Jason Lu	Wendy Wu
Matthew Ellison	Richard Luhtaru	Hanna Yang
Siwakorn Fuangkawinsombut	Jeremy McCulloch	Rahul Yesantharao
Alexander Gu	Gabriel Mintzer	Michael Zhang
Joseph Heeren	Peter Mizes	Wayne Zhao
Shawn Im	Zachary Obsniuk	

McGill University, Montreal, QC, Canada

Khoi Nguyen

Michigan State University, East Lansing, MI

Neel Modi
Luke Wiljanen

New York University, New York City, NY

Aadil Bhore
Daniil Glukhovskiy
Zixiao Yang

Northwestern University, Evanston, IL

Akhil Kalghatgi
Nikhil Kalghatgi
Hoan Nguyen

Oberlin College, Oberlin, OH

Liam Axon

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Ohio State University, Columbus, OH

Jake Huryn
Rushil Raghavan
Dennis Sweeney

Ohio University, Athens, OH

James Foley

Princeton University, Princeton, NJ

George Bentley
Nathan Bergman
Daniel Carter
Byron Chin
David Fitzpatrick
Katherine Forbes
Alec Leng
Zachary Stier
Xiaorun Wu
Kai Zheng

Purdue University, Lafayette, IN

Simon Langowski
Zijie Zhou

Reed College, Portland, OR

Daniel Zou

Rice University, Houston, TX

Mark Helman
Shaquille Wyan Que
Peter Zhu

Rose-Hulman Institute of Technology, Haute, IN

Zixin Fan

Rutgers, State University of New Jersey, New Brunswick, NJ

Michael Wang
Jianning Yang

Southern Connecticut State University, New Haven, CT

David Diaz

Stanford University, Stanford, CA

Pengda Liu
Ian Ruohoniemi
William Wang

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

Stony Brook University, Stony Brook, NY

Calvin Aw
Charles Weng

Swarthmore College, Swarthmore, PA

Eric Zhang

Syracuse University, Syracuse, NY

Xuerui Yang

Texas State University, San Marcos, TX

Isaiah Silaski

Tufts University, Medford, MA

Phong Hoang

Université de Montréal, Montreal, QC, Canada

Jonah Klein

University of British Columbia, Vancouver, BC, Canada

Gurkeerat Chhina
Kim Dinh
Sina Saleh
Victor Wang
Brandon Zhang

University of California, Berkeley, CA

Dhruba Ghosh
Yuhan Jiang
Alexander Lu
Aaron Putterman
Abhishek Shivkumar
Evgenii Sizykh
Alexander Toller
Albert Zhang
Tianyu Zhao

University of California, Los Angeles, CA

Bryan Hu
Arihant Jain
Chenfei Li
Isaac Li
Justin Li
Yuhan Liu
Tang Mohan

Alexandru Pascadi
Tachin Ruangkriengsin
Glenn Sun
Yan Tao
Ken Willyard
Hongyu Zhu

University of California, San Diego, CA

Yihe Tang

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

University of California, Santa Barbara, CA

Ethan Epperly
Yewen Sun

University of California, Santa Cruz, CA

Jason Miller

University of Chicago, Chicago, IL

Jiedong Duan
Aidan Griffin
Trevor Moore
Arjun Venkatraman
Ethan Williams
Xifan Yu

University of Florida, Gainesville, FL

Carson Jones

University of Illinois, Urbana-Champaign, IL

Hongyi Chen
Samuel Guo
Maxwell Jong
Kieran Kaempfen
Darwin Kim
Dun Ma
Yipeng Yang

University of Iowa, Iowa City, IA

Nick Morrow

University of Louisiana, Lafayette, LA

Christopher Bayard

University of Maryland, College Park, MD

Justin Hontz
Pratik Rathore

University of Massachusetts, Boston, MA

Daniyar Aubekeroev

University of Michigan, Ann Arbor, MI

Stephen Jasina
Omer Siddiqui
Conor Thompson
Pohsun Wu

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

University of Minnesota, Twin Cities, Minneapolis, MN

Beren Gunsolus
Adam Hodapp
Nhung Pham
Drake Thomas

University of North Carolina, Chapel Hill, NC

Luke Zeller

University of Notre Dame, Notre Dame, IN

Yuxin Lin

University of Oregon, Eugene, OR

Nitan Avivi Stuhl

University of Pennsylvania, Philadelphia, PA

Brandon Lin

University of Rochester, Rochester, NY

Trung Nguyen

University of Southern California, Los Angeles, CA

Joshua Speckman

University of Texas, Austin, TX

Luis Kim
Aaron Lamoreaux
Ruocheng Wei

University of Texas, Dallas, TX

Joshua Marsh
Otto Osterman
Grant Zierer

University of Toronto, Toronto, ON, Canada

Jennifer Guo
Giwon Kim
Yao Kuang
Haining Tan
Tang Yun-Chi
Yukai Zhang
Zehao Zhou

University of Utah, Salt Lake City, UT

Emil Geisler

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION

University of Washington, Seattle, WA

David Cheng
Maxwell Packer
Omar Shaikh Omar
Rory Soiffer

University of Waterloo, Waterloo, ON, Canada

Yizhe Liu
Alexander Monteith-Pistor
Michael Pang
Sebastian Regalado
Davi Sena

University of Wisconsin, Madison, WI

Ivan Hu
Xiabin Li
Diya Yang

University of Maryland, Baltimore County, Baltimore, MD

Jackson Reynolds

Vanderbilt University, Nashville, TN

Connor Lehmacher
Dominick Xu

Washington University, St. Louis, MO

Sam Heil
Aidan Kelley
Moses Schindler
Joseph Walegir

Wesleyan University, Middletown, CT

Yu Wang

Williams College, Williamstown, MA

Alexander Shashkov
Hunter Wieman

Yale University, New Haven, CT

Jiang Anthony
Jau Tung Chan
Tony Hao
Matthew Li
Steven Ma
Noah Montgomery
William Sun
Fred Zhang

THE WILLIAM LOWELL PUTNAM MATHEMATICAL COMPETITION