

**The 2012 University Physics Competition
Results Announcement – December 21, 2012**

We are very pleased to announce the results of the third annual University Physics Competition. The University Physics Competition is an international contest for undergraduate students, who worked in teams of up to three students at their home colleges and universities all over the world, and spent 48 hours during the weekend of November 16, 17 & 18 analyzing an applied scenario using the principles of physics, and writing a formal paper describing their work.

In this year's competition 81 teams submitted papers for judging. 24 teams selected "Problem A - Volcanism on Super-Earths" and 57 teams selected "Problem B - Table Tennis Ball Sizes."

For Problem A, the Gold Medal Winning Team was:

Team 449: Yanrong Li, Yihe Tang, & Xiwa Deng
Institution: Shanghai Jiao Tong University
Team Advisor: Mateusz Krzyzosiak

For problem B, the Gold Medal Winning Team was:

Team 414: Gabriel Loke Zi Jie, Lim Rong Sheng, Tan Tee Hao
Institution: National University of Singapore
Team Advisor: Chang Sheh Lit

Of the 81 paper submitted in the 2012 University Physics Competition, 2 teams (2.5%) were ranked as Gold Medal Winners, 14 teams (17%) were ranked as Silver Medal Winners, 23 teams (28%) were ranked as Bronze Medal Winners, and 42 teams (52%) were ranked as Accomplished Competitors.

We extend our sincerest congratulations to each of the 81 competing teams for their excellent work and their enthusiasm for physics!

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Problem A - Volcanism on Super-Earths

Team #	Advisor/Students	Institution	Problem	Rank
449	Mateusz Krzyzosiak Yanrong Li, Yihe Tang, Xiwa Deng	Shanghai Jiao Tong University	A	Gold Medal
417	Sihui Wang Zheyuan Zhu, Kejing Zhu, Tong Shi	Nanjing University	A	Silver Medal
419	Detong Jiang Edward Kim, Matt Beach, Ethan Buchman	University of Guelph	A	Silver Medal
438	Sihui Wang Yuan Xin, Xian Wang, Shan Huang	Nanjing University	A	Silver Medal
446	Alfredo Aranda Manuel A. Buen-Abad, German Gutierrez-Hernandez, Omar A. Ruiz-Macias	Universidad de Colima	A	Silver Medal
411	Chang Sheh Lit Ng Kia Boon, Kwang Siu Yi, Shawn Tang Wenjie	National University of Singapore	A	Bronze Medal
418	Juan Cabanela Shouvik Bhattacharya, Pragalv Karki, Meredith Mc Linn	Minnesota State University Moorhead	A	Bronze Medal
435	Suparna Roychowdhury Subhadip Roy, Sudip Chakraborty, Devarishi Chakraborty	St. Xavier's College, Kolkata	A	Bronze Medal
473	Costas Efthimiou Brandon Blue, Andrew Foster, Joseph Ryan	University of Central Florida	A	Bronze Medal
476	Ewa Gudowska-Nowak Konrad Szymański, Wojciech Tarnowski, Adam Wyrzykowski	Jagiellonian University in Kraków	A	Bronze Medal
483	Daniele Marrè Giovanni Filippi, Flavio Ronetti, Giuliano Timossi	Università degli Studi di Genova	A	Bronze Medal
487	Laszlo Takacs Ashley Denney, Ifemayowa Aworanti, Daniel Cassell	University of Maryland Baltimore County	A	Bronze Medal
401	Reem M. Altuwirqi Lujain Ali, Rania Yaseen	King Abdulaziz University	A	Acc. Competitor
410	Chang Sheh Lit Yong Kenneth, Li Zixi, Goh Kok Hoe Octave	National University of Singapore	A	Acc. Competitor
423	Sylvio May Brandon Johnson, Marne Johnson, Tyler Antony	North Dakota State University	A	Acc. Competitor
434	Russ Patrick Austin Nelson, Brian Selph, Jonathan Peterson	Southern Polytechnic State University	A	Acc. Competitor
440	Alexander R.J. Silalahi Justian Harkho, Fidiya Maulida, Ryan Vitalis Kartiko	STKIP Surya	A	Acc. Competitor
441	Sajid Gul Khawaja Syed Saad Mohsin, Muhammad Asadullah, Warda Shafiq	CEME(NUST), Pakistan	A	Acc. Competitor
455	Reina Maruyama Christopher Hilgenberg, Zhengcheng Tao, Georgios Stratis	University of Wisconsin - Madison	A	Acc. Competitor
457	Ronald Kumon Casey Rollins, Beulah Langston	Kettering University	A	Acc. Competitor
460	Ed Greco Martin Halicek, Patrick Strickland, Vasiliy Demchenko	Georgia Institute of Technology	A	Acc. Competitor
471	George Gollin Bryce Fore, William Alexander, Austin Edmister	University of Illinois at Urbana-Champaign	A	Acc. Competitor
475	Daniele Marrè Alessandro Georgoudis, Giovanni Balduzzi, Daniele Rapetti	Università degli Studi di Genova	A	Acc. Competitor
486	Daniel James Stepan Fomichev, Daniel Parada, Paolo Albanelli	University of Toronto	A	Acc. Competitor

Problem B - Table Tennis Ball Sizes

Team #	Advisor	Institution	Problem	Rank
414	Chang Sheh Lit	National University of Singapore	B	Gold Medal
	Gabriel Loke Zi Jie, Lim Rong Sheng, Tan Tee Hao			
403	Andreas Dewanto	National University of Singapore	B	Silver Medal
	Alpin Novianus Tatan, Winson Tanputraman, Evan Laksono			
406	Sihui Wang	Nanjing University	B	Silver Medal
	Guangyuan Yu, Nan Song, Xiong Yang			
409	Chang Sheh Lit	National University of Singapore	B	Silver Medal
	Adrian Nugraha Utama, Limiardi Eka Sancerio, Christian George Emor			
429	Costas Efthimiou	University of Central Florida	B	Silver Medal
	Christopher Frye, Ryan Hardy, Allison Bratcher			
442	Ying Cheng	Nanjing University	B	Silver Medal
	Baochen Wu, Xin Xu, Chong Wang			
458	Ed Greco	Georgia Institute of Technology	B	Silver Medal
	Jeffrey Heninger, Aishwarye Chauhan, Nathan Holley			
461	Sihui Wang	Nanjing University	B	Silver Medal
	Tianran Chen, Kaipeng Li, Mingming Dai			
479	Janis McKenna	University of British Columbia	B	Silver Medal
	Trisha Roberson, Dallas Clement			
484	Duping Yuan	Shanghai Jiao Tong University	B	Silver Medal
	Xuan Luo, Yilun Zhang, Ziwei Wang			
489	Daniel James	University of Toronto	B	Silver Medal
	Ramanjit Sohal, Eric Zhao, Hubert Lin			
407	Rainer Callies	Technical University of Munich	B	Bronze Medal
	Nikolaos Perakis			
408	N. M. Ravindra	New Jersey Institute of Technology	B	Bronze Medal
	Steve Susanibar, David Cunningham, Utkarsh Raj			
412	Sihui Wang	Nanjing University	B	Bronze Medal
	Xun Cai, Xiaoshi Dong, Yaohua Li			
413	Chang Sheh Lit	National University of Singapore	B	Bronze Medal
	Chai Jing Hao, John Soo Yue Han, Bong Kok Wei			
420	Andreas Ruschhaupt	University College Cork	B	Bronze Medal
	John Daniel Riordan, Liam O'Shaughnessy, Anthony Kiely			
422	Andreas Dewanto	National University of Singapore	B	Bronze Medal
	Wong Whye Khuin Nicholas, Tan Ying Zhe Ernest, Ang Ther Wey Jeysthur			
425	Costas Efthimiou	University of Central Florida	B	Bronze Medal
	Tommy Lee, Timothy Findling, Thanapat Phoolsuk			
427	Costas Efthimiou	University of Central Florida	B	Bronze Medal
	Adam Wearne, Jon Lee, Will Richardson			
459	Ed Greco	Georgia Institute of Technology	B	Bronze Medal
	Elwin Martin, Jared Huggins, Sandy Chen			
463	Mona Berciu	University of British Columbia	B	Bronze Medal
	Kristina Nelson, Paul Liu, Ron Estrin			
466	Dezso Varga	Eotvos Lorand University	B	Bronze Medal
	Balazs Banto, Milan Janosov, Istvan Kaposvari			
468	Min-Kyo Seo	Korea Advanced Inst. of Science and Technology	B	Bronze Medal
	Erwin Handoko Tanin, Dinh Quy Duong, Yernazar Kairat			
470	Jason Goodman	Wheaton College	B	Bronze Medal
	Ryan Farber, Ryan Dill, Emerald Bresnahan			
477	Matthew Beaky	Juniata College	B	Bronze Medal
	David Milligan, Timothy Berguson, Jonathan Bogue			
478	Amy Kolan	St. Olaf College	B	Bronze Medal
	Emily Hemingway, Aaron Shinn			

482	David Olsgaard Mike Henry, Luke Kirchner	Simpson College	B	Bronze Medal
404	Andreas Dewanto Soh Yong Sheng, Yuen Wee Siang Edmund, Lim Tze Peng Kevin	National University of Singapore	B	Acc. Competitor
415	Reem M. Altuwirqi Afnan Yousef Alsayed, Suha Faleh Alharbi, Alyaa Saleh Fadan	King Abdulaziz University	B	Acc. Competitor
416	Jeremy Sepinsky Christopher Culver, Rachel Salmon, Dustin Frisbie	The University of Scranton	B	Acc. Competitor
421	Jong Anly Tan Himawan Wicaksono Winarto, Josephine Monica, Kristo Nugraha Lian	STKIP SURYA	B	Acc. Competitor
424	Mateusz Krzyzosiak Xianghan Pei, Bo Zhang	Shanghai Jiao Tong Univ., UM-SJTU Joint Institute	B	Acc. Competitor
426	Costas Efthimiou Alex Greutman, Cameron Glasscock, Jonathan Tillet	University of Central Florida	B	Acc. Competitor
428	Costas Efthimiou Casey Eichstaedt, Byron Conley, Robert Dewitt	University of Central Florida	B	Acc. Competitor
430	Costas Efthimiou Alexa La Motte, Daniel Kepler, Will Regelmann	University of Central Florida	B	Acc. Competitor
431	Costas Efthimiou Candy Reid, Daniel Lumpkin, Nick Mele	University of Central Florida	B	Acc. Competitor
432	Ng Wei Khim Tan Wei Hou, Chang Hai Bin, Tan Boon Hon	National University of Singapore	B	Acc. Competitor
433	Kisa Ranasinghe Sara Grover, Derrick Pruitt, Josh Elkins	Southern Polytechnic State University	B	Acc. Competitor
436	Jilong Wang Haizhuo Lin, Jian Gao, Bo Pang	Tsinghua University	B	Acc. Competitor
437	David Jones Nik Dhingra, Liam Hodgson, Yinlin Li	University of British Columbia	B	Acc. Competitor
439	Ben Sugerman Phoebe Yeoh, Lindsey Long, Alissa Murray	Goucher College	B	Acc. Competitor
443	Mark Van Raamsdonk Kahan Dare, Deshin Finlay, Mathias Hudoba de Badyn	University of British Columbia	B	Acc. Competitor
444	Andrew Frey Nicholas Reid, Paul Sarte, Trevor Vincent	University of Winnipeg	B	Acc. Competitor
445	Alfredo Aranda Julio C. Moreno-Virrueta, Jorge A. Torres-Espinosa, Luis E. Barajas-Lopez	Universidad de Colima	B	Acc. Competitor
450	Mateusz Krzyzosiak Shi Yulin, Zhou Dongyi, Yang Yuhao	U. Michigan-Shanghai Jiao Tong U. Joint Institute	B	Acc. Competitor
451	Weidong Guo Ruhao Fang, Zijun Zhao, Boyan Gu	Nanjing University	B	Acc. Competitor
452	Sylvio May Levi Remily, Austin Usselman, Wei Kang Lim	North Dakota State University	B	Acc. Competitor
453	Máté Vigh Kornél Kapás, Gergely Dálya, Gábor Galgóczi	Eötvös Loránd Tudományegyetem	B	Acc. Competitor
456	Nicola Bonini Aimilios Pagouropoulos	King's College London	B	Acc. Competitor
462	Maria E. Tejada-Yeomans Luis A. Urias-Ruiz, Juan A. Zepeda-Galvez, Ivan R. Ibarra-Fernandez	Universidad de Sonora	B	Acc. Competitor
465	Henry Greenside Kushal Seetharam, Christian Drappi, Eugene Rabinovich	Duke University	B	Acc. Competitor
467	DuPing Yuan Qinglin Wu, Shuyi Wang, Xiaobing Shi	Shanghai JiaoTong University	B	Acc. Competitor
469	Aladdin Abdul-latif Dina Khaled Sayed Abdel-Hadi, Ola Mohamed Abdel-Aal, Mohamed Mostafa El-Hawary	German University in Cairo	B	Acc. Competitor
472	Esmaeil Ebrahimi	Bahonar University of Kerman	B	Acc. Competitor

480	Behzad Bojnordi Arbab, Masood Valipour, Abolfazl Abdollahi Nasab Lorcan Folan Polytechnic Institute of NYU Christopher Strickland, Louis Tessler, Daniel Berkowitz	B	Acc. Competitor
481	Victor Robledo ITESM CCM Victor Carlos Ramos Aguilera, Jonathan Iván Reyes Spezzia, Juan Manuel Sánchez Soto	B	Acc. Competitor
485	Daniel Whiteson University of California, Irvine Sharat Chandra, Nick Ajalat, Pavan Somisetty	B	Acc. Competitor