

MATH NEWS

Vol. XXXVI, No. 1

September, 2022

"Mathematicians have tried in vain to this day to discover some order in the sequence of prime numbers, and we have reason to believe that it is a mystery into which the mind will never penetrate."

-Leonard Euler, in G. Simmons, Calculus Gems, McGraw-Hill, New York, 1992

Ukrainian Wins Fields Medal

In July of 2022, Maryna Viazovska was awarded the Fields Medal for the proof that the E_8 lattice provides the densest packing of identical spheres in 8 dimensions. Dr. Viazovska is the second woman awarded a Fields Medal in the 86-year history of the prize. Born in Kyiv, she lives in Switzerland with her husband and son. Russia invaded Ukraine just months after she learned of the award. Several family members made their way to Switzerland to join her, but her parents and grandmother remained in Ukraine. Hopeful for peace, she said of the war that, "tyrants cannot stop us from doing mathematics. There is at least something they cannot take away from us" (Quanta Magazine). Dr. Viazovska is the Chair of Number Theory at the Institute of Mathematics of the École Polytechnique Fédérale de Lausanne. The Fields Medal, among the highest of honors for mathematicians, is granted to up to four individuals by the International Mathematical Union every four years. For a description of the 2022 winners, see www.mathunion.org.

Spring 2023 Course Offerings

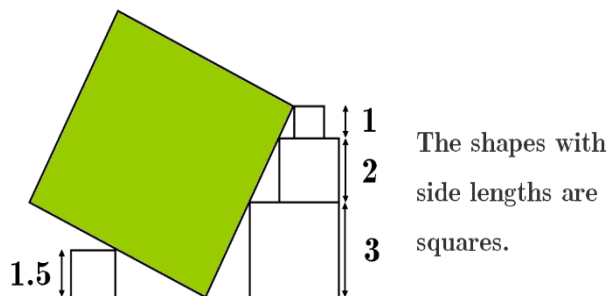
236.001 Dr. Katherine Horacek MTUTHF 11:00am-11:50am
236.002 Dr. Katherine Horacek MTUTHF 2:00 pm-2:50 pm
237.001 Dr. Frank Barnet MTUTHF 11:00am-11:50am
238.001 Dr. Frank Barnet MTUTHF 2:00pm-2:50pm
350.001 Dr. Katherine Horacek MWF 1:00 pm-1:50 pm
380.001 Dr. Sureka Pathmanathan MWF 11:00 am-11:50am
432.001 Dr. Kelly Bulp MWF 10:00 am-10:50am
440.001 Dr. Robert Forsythe TUTH 3:30 pm-4:45 pm
465.001 Dr. Mark Hughes MW 3:00 pm-4:15 pm
470.001 Dr. Frank Barnet TUTH 5:00pm-6:15pm

KME Corner

Our local Maryland Delta chapter of the national mathematics honor society Kappa Mu Epsilon will meet Wednesday, September 28th from 4:30 to 5:30 pm in CCIT 223. Benefits of membership and participation in KME include social and academic activities, networking opportunities with other students and faculty, resume enhancement, and free pizza. If interested, contact Dr. Mark Hughes.

One Month for a Two-D Problem

Determine the area of the green square



Students are encouraged to email neat solutions by October 31st to dwdevlin@frostburg.edu for possible inclusion in the November issue.

Congratulations Are in Order

Our own Brittany Raley, Administrative Assistant for both Mathematics and Social Work, was honored at an awards ceremony this summer with the 2022 CLAS Professional Staff of the Year award. Ms. Raley's professionalism, resourcefulness, dedication, efficiency, compassion, and initiative were noted as just a few of her many excellent qualities. Having served in the mathematics department since early 2021, Ms. Raley will move from Social Work to Mass Communications this fall. MATH is fortunate to retain her services. We extend our congratulations, along with gratitude for her excellent work, to Ms. Raley on this well-deserved award.

Helpful Career Events Offered

The FSU Career & Professional Development Center offers events throughout the year. Five are scheduled for October.

Oct. 4 & 11 *How do I?* Life after College
Oct. 12 Career & Internship Fair
Oct. 17 Virtual Education Fair (College of Education)
Oct. 26 Virtual Career & Internship Fair

Department Chair Change

Dr. Justin Dunmyer has been tapped to be the Acting Associate Dean of FSU's College of Liberal Arts and Sciences for this academic year. Dr. Laxman Hegde has agreed to serve as Acting Chair of our department. *MATH NEWS* thanks both gentlemen and wishes them well in their respective roles.