

Math Webinar on Demand: Mathematical Modeling of COVID-19

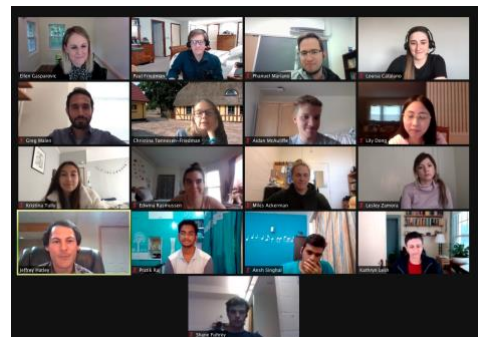
Recently, the Editorial Teams of *Journal of Mathematical Analysis and Applications* and *Patterns* hosted a webinar on Mathematical Modeling of COVID-19. This [one-hour webinar](#) included talks by two speakers. These are described below.

- **Natasha Martin (University of California at San Diego): *Epidemic modeling of COVID-19 in University Campuses.*** University campuses are struggling with deciding whether and how to reopen in the fall given the COVID-19 pandemic. This talk will discuss how epidemic modeling has been applied to understanding testing and campus risk mitigation policies which could enable universities to detect outbreaks early and reduce the risk of transmission on densely connected campus networks.
- **Arni Rao (Augusta University): *Mathematica Models, Data, and Pandemic Response.*** Mathematical Modeling has again emerged as one of the important tools in understanding the spread, policy formation, and identification of novel coronavirus or COVID-19. Virus spread depends not only on the reported number of cases but also on the number of individuals who were never been tested but carry the virus. An overview of modeling to investigate the spread, under-reporting, and under-diagnosis of COVID-19 and Policy will be discussed. This talk is based on collaborative works with Steven G. Krantz.

Math Club and AWM – Get Involved!

The Math Club and Union’s chapter of the Association of Women in Mathematics are both still active and would love to have more people engaged with their activities. To join the fun, contact a club officer to be put on the mailing lists: follow the Activities link from the Math homepage.

<https://www.union.edu/mathematics>



Calculus midterm coming up? WeBWork Woes?
Go to the **CALCULUS HELP CENTER!**
Sunday, Tuesday, and Thursday: 7:30 – 10:00pm
[Zoom: 995 1676 8139](tel:99516768139)

Petitioning

Don't forget to accept (or decline) your course petitions on WebAdvising
Tuesday, October 27 – Thursday, October 29

Problem of the Newsletter – October 26, 2020

A solution to last week’s problem has been posted on the bulletin boards in Bailey Hall.

This week’s problem: Find, with proof, all integral solutions to

$$abc = a + b + c.$$

Send solutions to **Professor Paul Friedman** (friedmap@union.edu) by noon, Friday, October 30.