SURIM is a 10-week program with the goal of introducing young mathematicians at Stanford University to the work of mathematical research. The program begins June 25th and ends August 31st, 2018.

Participants
Jared Bitz, Bryce Cai, Annie Chen, Javier Echevarria, David Gonzalez, Quinn Greicius, Ben Heller, Dillon Kanne, Eric Kilgore, Jaydeep Singh, Angela Song, Eyob Tsegaye, Anita Zheng

Projects
"A Rational Function Roth's Theorem in Finite Fields"
   Graduate mentor: Sarah Peluse

"The Online Ramsey Game"
   Graduate mentor: Xiaoyu He

"Quantitative and Local Central Limit Theorems"
   Graduate mentor: Felipe Hernandez

"Abelian Varieties"
   Quinn Greicius (advised by Prof. Brian Conrad)

"Constructive Quantum Field Theory"
   Jaydeep Singh (advised by Prof. Sourav Chatterjee)

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Stipend
You should have been paid by now. Please let me know immediately if this is not the case.

Rooms
Most SURIM-wide events will take place in 384-H or 384-I. We have also reserved 381-U on some days (TBA). The undergraduate lounge on the 2nd floor (382-T) will be reserved SURIM working space for the whole summer.
  Work hard and have fun too, but please keep in mind that staff, faculty, and graduate students continue to work in their offices over the summer. Also, please note that the math building locks at 5 PM. If there is demand, I will see about getting you keycard access for after-hours.

Printing and Photocopying
There is a printer and a photocopier on the 4th floor you can use.
  - To set up wireless printing on a Mac, go to "Printers & Scanners," click "+" on the bottom of the left pane, select "IP" under the weird glowy orb, type 171.64.38.25 in the "Address" field and choose "Line Printer Daemon - LPD" under "Protocol."
  - To set up wireless printing on a Windows or Linux machine, good luck! :) I’m sure one of you will figure it out (if you do, let me know).

Overview of Events
  - Meetings with your graduate mentor(s) or faculty advisors, 1-3 times weekly (exact schedule is at their discretion).
- Faculty speakers on (some) weeks (Thursday mornings (plus lunch!) or Wednesday afternoons).
- Occasional check-ins (Monday afternoons) with Dr. Schaeffer to see how things are going (see Calendar, more details TBD).
- Midterm reports, presented to the whole institute (Weeks 5 and 6).
- Final presentations, given to the whole institute, on the last two days.
- At least one hike (possibly more!), organized by Dr. S.

**Preliminary Calendar**
The preliminary calendar is at [http://stanford.edu/~gschaeff/surim-2018/](http://stanford.edu/~gschaeff/surim-2018/). An updated calendar will be available on the web. I’ll announce if there are changes by email, but it’s always good to look at the calendar at the beginning of the week just to be sure!

**My Office Hours**
Feel free to stop by my office (381-G) if you have a question or concern! I will generally be around the department this summer on Mondays, Wednesdays, and Thursdays. I will be teaching Math 115 as well, but I will be generally available to you outside of class and office hours.

If I'm not in, email me! **If it's urgent, call me or contact the department staff.**