

Fall 2019
Directed Reading Program
Student Talks

Thursday, November 21, 6:00-8:00pm

Room 232, Cockins Hall

Friday, November 22, 6:00-8:00pm

Room 724, Mathematics Tower

The Ohio State University, Columbus

Thursday, November 21st, 6:00-8:00pm

“Introduction to Cryptography”
Wei Fang (mentor: Mario Gomez)

“RSA Encryption”
Shengkai Wang (mentor: Baian Liu)

“Drunkard's Walk”
Xiaoyan Liu (mentor: Ben Call)

“A Topological Proof of a Theorem in Group Theory”
Zichuan Wang (mentor: Scott Newton)

“The Correspondence Between Algebra and Geometry:
Curves”
Jill Baker (mentor: Austin Antoniou)

“Some Metric Aspects in Riemannian Geometry”
Maverick Huang (mentor: Ivo Terek)

Friday, November 22nd, 6:00-8:00pm

“Dr. Euler or: How I Learned to Stop Worrying and
Love the Primes”
Kevin Patton (mentor: Joseph Leung)

“Steady States and Boundary Value Problems”
Siqi Liu (mentor: Luke Andrejek)

“Inequality Between Chromatic Number and Coloring
Number”
Feng Qian (mentor: Francisco Martinez)

“Topological Data Analysis and Morse Theory”
Mingxin Xie (mentor: Scott Newton)

“Representation Theory of Finite Groups”
Jake Huryn (mentor: Ethan Ackelsberg)

“Curves on Surfaces in 3 Dimensions”
Yuye Ke (mentor: John Hynes)

“Groebner Bases and the Division Algorithm”
Torey Hilbert (mentor: Reeve Garrett)

Directed Reading Program Organizing Committee

Ben Call
Paul Duncan
Minyoung Jeon
Jimin Kim
Scott Newton

The DRP Committee would like to thank all of the graduate student mentors for their work with their undergraduate students this semester.

We would also like to thank the DRP's advisor, Dr. Dan Thompson as well as the OSU Math Department for providing funding for this program.

Any graduate student who would like to serve on the committee may talk to a current committee member.

Any graduate or undergraduate students wishing to participate in the program in the spring may apply by visiting go.osu.edu/drp.