

Math 705 Spring 2023

Seminar meets on Mondays 2-3:15pm in KAP 427.

Faculty Supervisor: Sergey Lototsky.

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Phone: (213) 740-2389.

Office Hours: MWF 9:30am-10:30am (in-person and on zoom)

Appointments at other time are welcome.

The objective this semester: To discuss current research projects and future plans of participating students.

Participating students: Dominic Arcona, Levon Hakobyan, Cora Liang, J. E. Paguyo, Troy Tao, Jiakang Wang, Wes Wise.

What we did.

January 9. Organizational meeting.

January 16. No meeting (MLK Day).

January 23. Cora's presentation on getting a summer internship.

January 30. JE's presentation on pattern-avoiding permutations.

February 6. Creating a professional LinkedIn account: a group discussion.

February 13. Jiakang's presentation on skew-product random dynamical systems.

February 20. No meeting (Presidents' Day).

February 27. More on skew-product random dynamical systems.

March 6. Levon's presentation on the volatility index VIX.

March 13. No meeting (Spring break).

March 20. Troy's presentation on differential privacy.

March 27. Creating a personal/professional web page: a group discussion.

April 3. Dominic's presentation on an ML project for the Arizona Department of Revenue.

April 10. Wes's presentation on random transpositions.

April 17. JE's presentation on using MathJobs to apply for post-doc positions.

April 24. No meeting (many interesting seminars around this time).