

Reading seminar on Intersection Theory, Fall 2017

Meeting time & place:

Fridays 4-5pm, Hurley 258.

Topics:

- September 1. Chow rings (Chapter 1).
Speaker: Tim Champion.
- September 8. First examples (Section 2.1).
Speaker: James Quigley.
- September 15. More examples (Sections 2.2–2.4).
Speaker: Song Gao.
- September 22. Intro to Grassmannians (Sections 3.1–3.3).
Speaker: Dylan Rupel.
- September 29. Lines, curves, surfaces in \mathbb{P}^3 (Sections 3.4–3.6).
Speaker: João Santos.
- October 6. Grassmannians in general, Schubert cells and cycles (Sections 4.1–4.3).
Speaker: Michael Perlman.
- October 13. Young diagrams, Pieri's and Giambelli's formulas (Sections 4.4–4.8).
Speaker: Taylor Ball.
- October 27. Chern classes (Chapter 5).
Speaker: Kostiantyn Timchenko.
- November 3. Fano and Hilbert schemes (Sections 6.1–6.4).
Speaker: Sam Evens.
- November 10. Lines on hypersurfaces (Sections 6.5–6.8).
Speaker: Michael Perlman.
- December 1. Singular elements of linear series (Chapter 7).
Speaker: Claudiu Raicu.
- December 8. The five conic problem (Chapter 8).
Speaker: Dylan Rupel.