

MAT 566: Differential Topology

Presentation: Schubert Calculus

This should be based on Vakil's slides, the notes posted in the schedule table on website, and/or the Griffiths&Harris pp194–197. You should talk about computing intersections of Schubert cycles on complex Grassmannians (geometrically and formally) and what this has to do with:

How many lines pass through 4 lines in 3-space?

I will describe Schubert cells for real Grassmannians before this presentation.