

MAT 566: Differential Topology

Fall 2006

Presentation 1: Schubert Calculus

Tuesday, 10/10

This should be based on the Griffiths&Harris handout, as well as copies of Vakil's slides. 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?

On Thursday, 10/5, I will describe Schubert cells for real Grassmannians.

If you choose to do this presentation (with someone else), you should stop by my office on Monday to talk about the topic.