

Math 856 Intro to Smooth Manifolds

Questionnaire and Pop Quiz-lette

Name:

Spell it like the instructor is supposed to pronounce it:

Times you could *not* make an office hour:

Most important (to you) previous graduate courses (if any):

Most important (to the instructor) previous graduate courses (if any):

Favorite color:

Pop quizlette:

The following quizlette counts for nothing, and is intended to provide no indication about what prior knowledge the instructor expects you to bring to this course, nor what the instructor expects to cover. People can bring very different backgrounds to this class; this is just a broad attempt to sketch what concepts you might have encountered up to now.

Rate each of the following phrases on a scale from 1 to 5, where

- 1 \approx "I was reading about that this morning",
- 3 \approx "I've seen that before",
- 5 \approx "is that really a word/phrase?".

Don't spend more than about 8 seconds on each; first impressions are the important thing. Besides, there are no wrong answers....

- cohomology
- cocompact
- codomain
- bounded domain
- bounded variation
- quotient space
- free group
- vector field
- scheme
- precompact
- groupoid
- cardinality
- covering space
- implicit function theorem
- lens space
- spherical coordinates
- spherical aberration
- Green's/Divergence/Stokes' Theorem
- cubic spline
- hairy sphere theorem
- Seifert-van Kampen theorem
- line bundle
- line integral
- curvature
- small category
- Poincaré conjecture
- Conjecture F