

Final Projects for MATH5070

Give a self-contained presentation on one of the following topics.

- Topological, differential and smooth structures
- Strong Whitney embedding theorem
- Frobenius theorem and foliations
- Transversality and intersection theory
- Sard's theorem
- Lie group, Lie algebra and their correspondence
- Group actions and homogeneous space
- Hopf degree theorem
- Equivariant cohomology
- Infinite dimensional manifolds
- Orbifolds
- Morse theory
- Nerves
- Other topics you want