

MATH 670 Intro to Manifolds : Project Titles and Schedule

Luke Bayens	<i>Classification of semisimple Lie algebras</i>
Steve Benoit	<i>Manifolds in Hamiltonian mechanics</i>
Ryan Croke	<i>Noether's Theorem: symmetries and conserved quantities</i>
Shawn Farnell	<i>Vector bundles on elliptic curves</i>
Tim McCoy	<i>Gromov-Hausdorff distance</i>
Nick Rohrbacker	<i>Takens's Theorem and embeddings of manifolds</i>
Dusty Ross	<i>Exotic smooth structures on seven-dimensional spheres</i>
Elin Smith	<i>Numerical computation of the genus of an algebraic curve</i>
Bethany Springer	<i>Complex and almost complex manifolds</i>

	Monday	Wednesday	Friday
April 27 - May 1		Nick	Bethany Ryan
May 4 - 8	Dusty Steve	Elin Tim	Luke Shawn