

Homework 7

Due: Apr 4

1. Without using characteristic classes, prove that the tangent bundle of $\mathbb{C}\mathbb{P}^1$ is not isomorphic to its conjugate.
2. Milnor-Stasheff: 14-B
3. Milnor-Stasheff: 14-C
4. Milnor-Stasheff: 14-D
5. Milnor-Stasheff: 15-A
6. Let $x = [\gamma^1]$ in $K(\mathbb{C}\mathbb{P}^1)$, where γ^1 is the canonical line bundle over $\mathbb{C}\mathbb{P}^1$. Show that $(x-1)^2 = 0$.