Cooper
Sept. 25, 2026

Physics 596 – Fall 2026

Mini-Assignment #1: Using On-Line Scientific Resources

Each group should choose one of the following activities involving different well-known physics papers. These activities are designed to provide you an introduction to some of the on-line resources scientists commonly use to do research:

1. Activity 1: BCS Theory paper
2. Activity 2: Tony Leggett paper
3. Activity 3: Top Quark paper
4. Activity 4: Myosin Walks paper

These activities can be downloaded from the Phys 596 website:

https://courses.physics.illinois.edu/phys596/fa2026/resources.html

Each group should select **one** of the activities, but all members of the group should work independently on the activity, which shouldn't take more than 1 hour or so. When finished with the activity, group members should compare results and discuss different methods of obtaining the results, if possible.

Friday, Oct. 9: Each group should submit—as a package and preferably via e-mail—the completed activities from each group member. Assignments can be e-mailed to me at slcooper@illinois.edu