

Physics 596 – Fall 2012

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:

<http://courses.physics.illinois.edu/phys596/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 45 minutes or so. When finished with the activity, group members should compare results and discuss different methods of obtaining the results, if possible.

Friday, Sept. 28: Each group should submit—as a package—the completed activities from each group member. Assignments can also be e-mailed to me at slcooper@illinois.edu