1.0 Learning Objectives

After successfully completing this laboratory workshop, including the assigned reading, the lab write up, the lab quizzes, and any required reports, the students will be able to:

1. Measure the bandgap of a semiconductor by linear fitting of its absorption spectrum edge.
2. Distinguish between direct and indirect bandgap semiconductors
3. Utilize the mathematical relationships between incident and transmitted light intensity and absorption constant.
4. Convert easily between wavelength and energy spectra.

2.0 References:

