

Lab Report 4 Template – single mode fiber II

Abstract (1pt)

A description of the objective of this lab.

Introduction (3pts)

What's the difference between the fiber used in this lab and that in lab 3? (1pt)

What's V number for the fiber used in this lab? (1pt)

Calculate how many modes are allowed in this fiber. (1pt)

Experiment (5pts)

Briefly describe the experimental process. (2pt)

What causes the modes to change? (the physical reason the modes change) (1pt)

What are the theoretical modes? (1pt)

What is the relation with LP modes and TE/TM modes? (1pt)

Summary (1pt)

Conclude and summarize the findings.