

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

Present the patterns you obtain in lab (2pt)

Compared to the theoretical modes, which pattern corresponds to which mode?

Are they pure modes or the combination of different modes? (2pt)

Conclusion(1pt)

Conclude and summarize the findings.