



Department of Physics

NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR

(An Autonomous Institute of National Importance Established by the Act of Parliament)

List of Experiments

1. To calculate the beam divergence and spot size of the given laser beam.
2. To set up and observe Newton's rings and determine the wavelength of the given source.
3. The acceleration "g" of gravity using a compound pendulum.
4. To determine "g", the acceleration of gravity at a particular location.
5. To find the Young's modulus of the given material bar by uniform bending using pin and microscope method.
6. To determine the refractive index of the material of a prism.
7. To determine the resistivity of semiconductors by Four Probe method.
8. To calculate the Hall coefficient and the carrier concentration of the sample material.