

4. Interferometer

Astro Instruments 101

Summer Project 2022

lunar phases and eclipses

Astronomy Club IITK

Mentors: Atharva Dehadraya, Mubashshir Uddin, Yashika Malhotra Mentees: Abhinav, Ashmit, Deeven, Devansh, Drishty, Kaustubh, Kruthi, Lalit, Neerav, Rohan, Suryansh, Vrinda





Celestial and Orbital Mechanics

Celestial Mechanics is the study of the motion of celestial objects like stars, planets etc. Orbital Mechanics is Celestial Mechanics applied to study the motion of artificial bodies like rockets and spacecraft under the effect of forces like gravity, drag, thrust (via propulsion systems). The two major governing laws are Kepler's and Newton's law of Gravitations

Lab Visit

SCC-68 sensor

Studied about Kepler's laws of motion and orbital elements: **a, e, v, l, w**

Future Works

 Writing LabVIEW Programs from scratch to acquire data from sensors