

भारतीय खगोलभौतिकी संस्थान INDIAN INSTITUTE OF ASTROPHYSICS कोरमंगला Koramangala, बेंगलूरु Bengaluru – 560034.

रनातक अध्ययन मंडल Board of Graduate Studies.

Visiting Student's Programme Seminar

[Science Academies Summer Research Fellowship - 2025]

Title: Experiments in Image Processing

Speaker: Mr. Adwait S. Kumar (NIT Karnataka, Surathkal)

सार Abstract

This talk explores how raw astronomical data transforms into meaningful scientific imagery. Beginning with CCD detector principles and noise modeling, I shall highlight practical steps in image scaling, stacking, and calibration using tools like DS9, Siril, and GIMP. Real datasets-including lunar imaging and Supernova 2005kd-demonstrate dithering, filter usage, and RGB image construction. There will be an emphasis on both technical workflow and scientific interpretation, offering a hands-on perspective into observational astronomy.

शुक्रवार Friday 18, जुलाई July 2025

Time: 2:30 PM

प्रेक्षागृह Auditorium

सभी का स्वागत है All are welcome.