



भारतीय खगोलभौतिकी संस्थान
INDIAN INSTITUTE OF ASTROPHYSICS
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स्नातक अध्ययन मंडल **Board of Graduate Studies.**

Visiting Student's Programme Seminar

Title: Estimation of Fried's Parameter by Generalized Parametric Deconvolution

Speaker: Ms. Juhi Nair
(BSc, Azim Premji University)

सार Abstract

Fried's parameter r_0 quantifies how the Earth's atmosphere degrades the quality of images captured by ground-based telescopes. r_0 values typically lie between 5 cm and 20 cm in the visible, with large r_0 values corresponding to good atmospheric conditions. In this project, the Generalized Parametric Deconvolution was used to obtain the Fried's parameter from simulated solar images. The aim was to learn the method and use it to estimate r_0 from the solar images obtained from the H-alpha telescopes.

बुधवार Wednesday 13, अगस्त August 2025

Time: 2:30 PM

प्रेक्षागृह Auditorium

सभी का स्वागत है All are welcome.