

Adaptive Optics Program at IIA

Adaptive optics is an inevitable technology in any modern large ground-based telescope. It involves use of corrective optical elements within the telescope to compensate for the deleterious effects of the Earth's atmospheric turbulence on the image quality. Indian Institute of Astrophysics is deliberating on building a 2 m class large solar telescope (The National Large Solar Telescope) and a 10 m class stellar telescope (The National Large Optical Telescope). In view of this, an adaptive optics program has been initiated at IIA to generate necessary expertise by demonstrating adaptive optics on existing small telescopes. In this talk, I will present the progress made in last two years in this initiative and discuss the future prospects.