

Workshop

Imaging of Stellar Surfaces

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Andrea Dupree

Smithsonian Astrophysical Observatory, Cambridge, MA, USA

Title:

Chromospheric Activity in Cool Luminous Stars

Abstract:

Spatially unresolved spectra of giant and supergiant stars demonstrate ubiquitous signatures of chromospheric activity, variable outflows, and winds. The advent of imaging techniques and spatially resolved spectra reveal complex structures in these extended stellar atmospheres that we do not understand. The presence and behavior of these atmospheres is wide ranging and impacts stellar activity, magnetic fields, angular momentum loss, abundance determinations, and the understanding of stellar cluster populations.