Polarization and Exoplanets

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- Observe and monitor a variety of exoplanetary systems for polarimetric variability
- Build a baseline of polarimetric observations of host stars
- Theoretical Models
  - Seager, Whitney, & Sasselov (2000)
  - Carciofi & Magalhães (2005)
- Previous Observational Detections
  - Berdyugina et al. (2008)

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- Restoration and Relocation of The University of Wisconsin's Halfwave Polarimeter (HPOL)
  - Broadband average polarization stability of 5×10^{-5} and 0.1 degree position angle stability
  - Guaranteed time at MLOF
- Observe HD189733b and several other transiting and non-transiting systems
- Test theory presented by Carciofi and Magalhães

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