

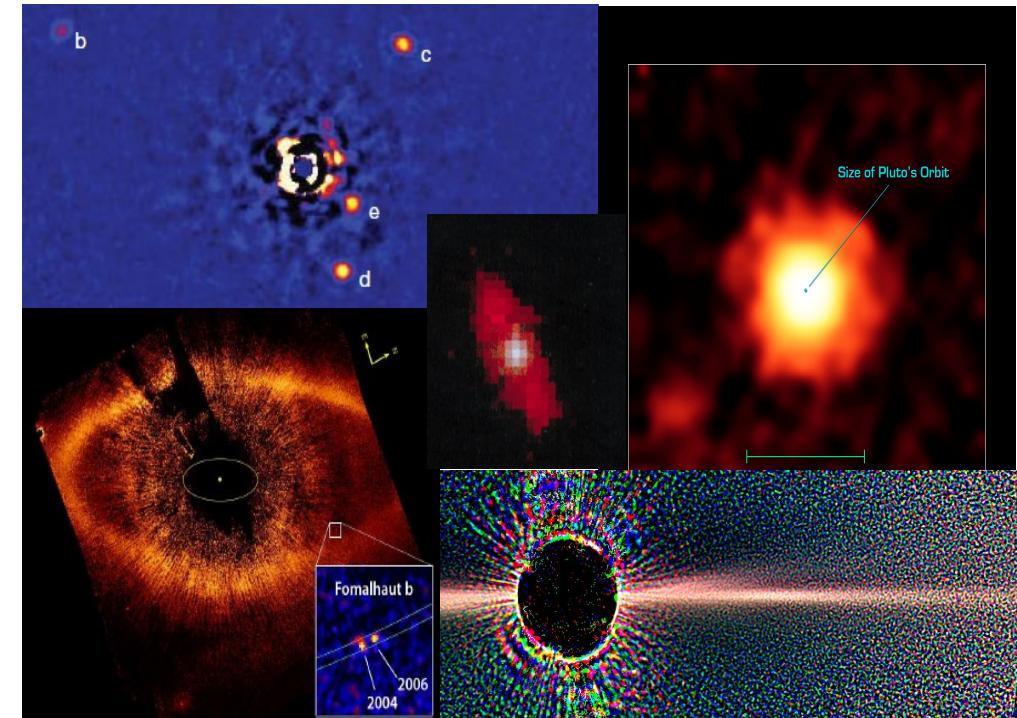


Interferometric Study to Determine A-star Ages using CHARA (ISAAC)

Jeremy Jones (GSU)

with:

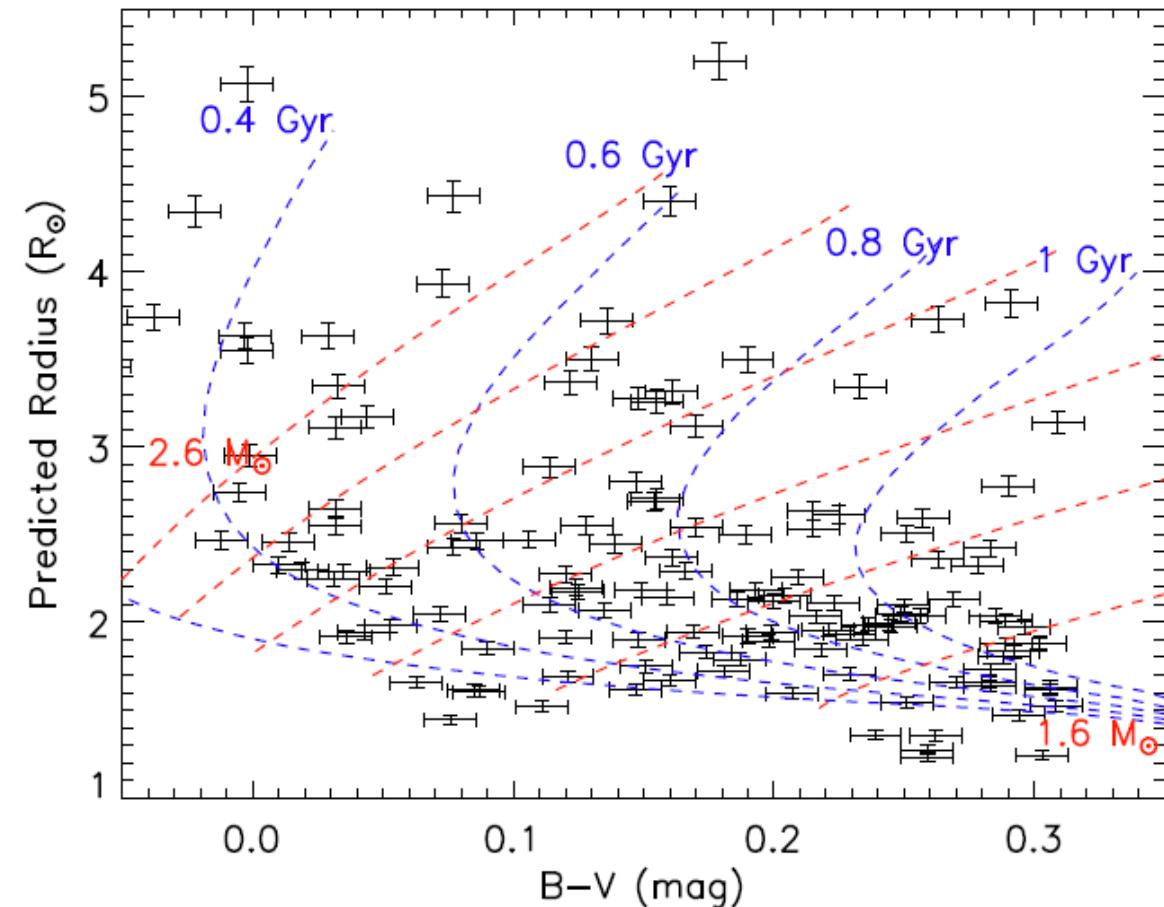
R. White
T. Boyajian
G. Schaefer
E. Baines
M. Ireland
J. Patience

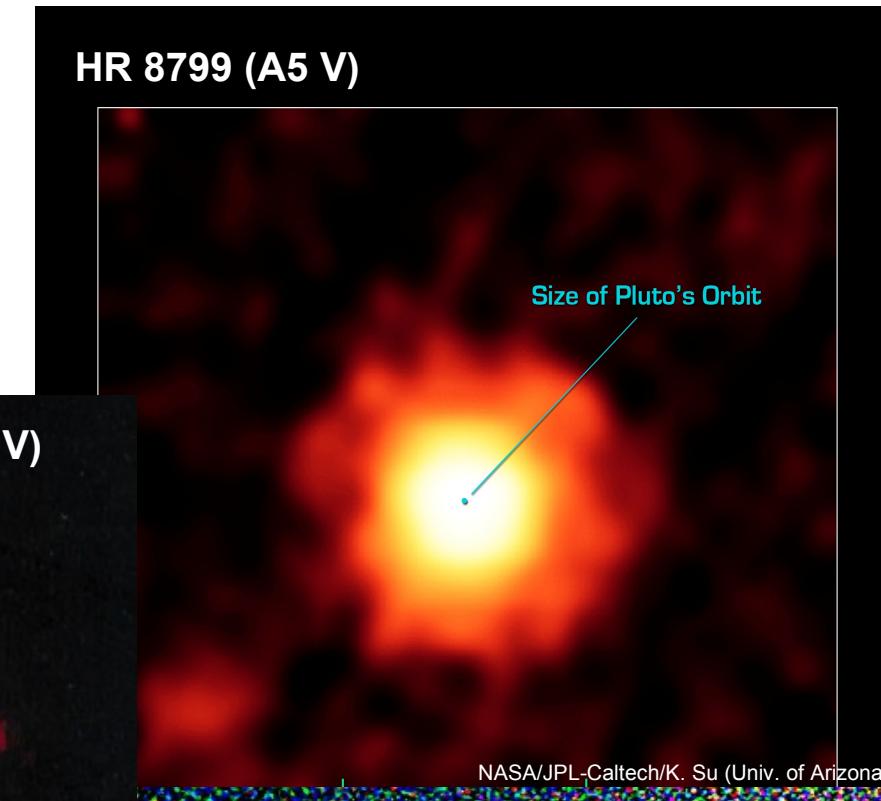
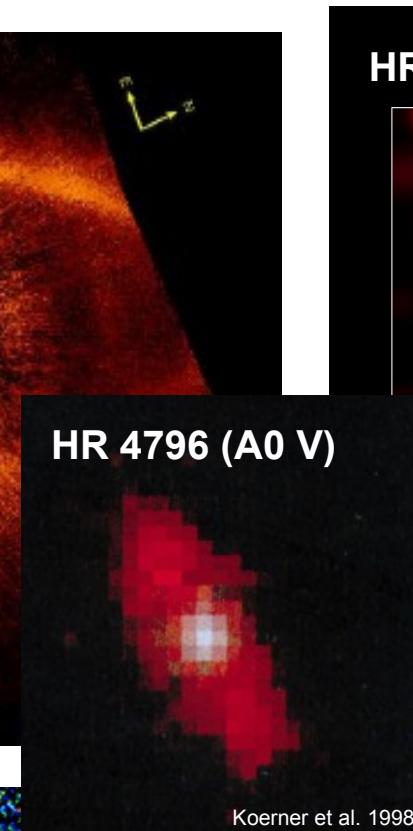
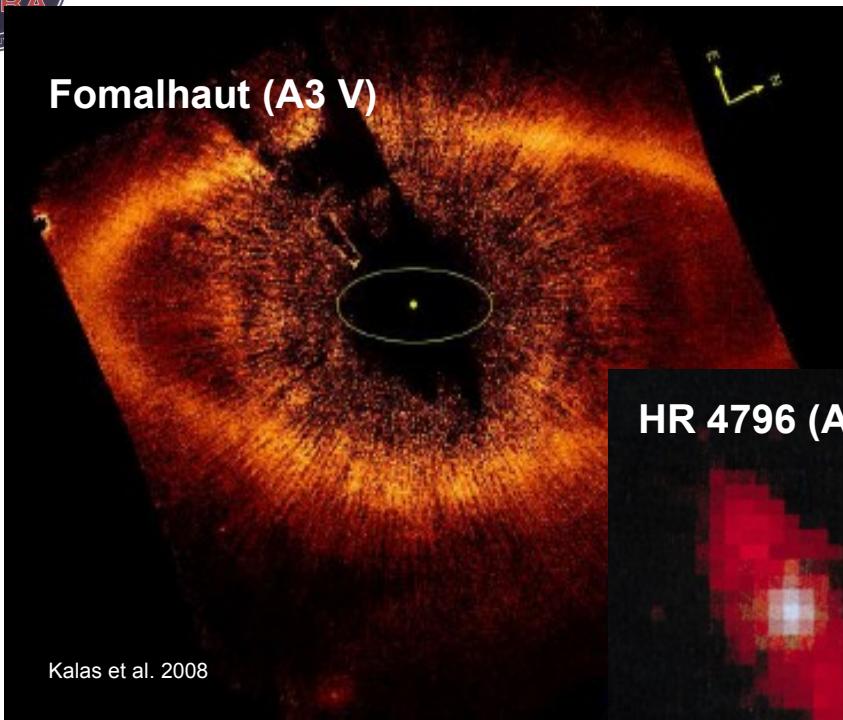




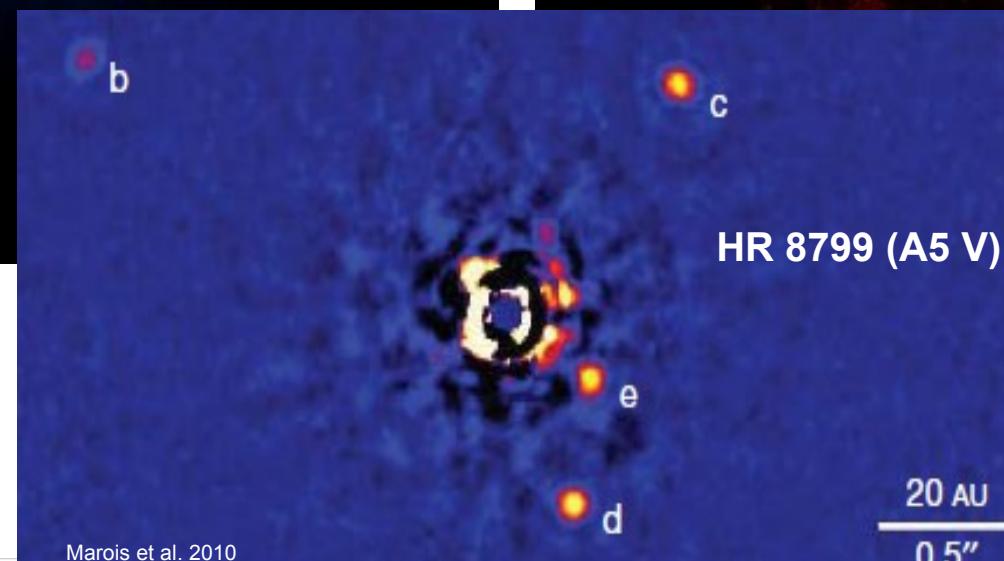
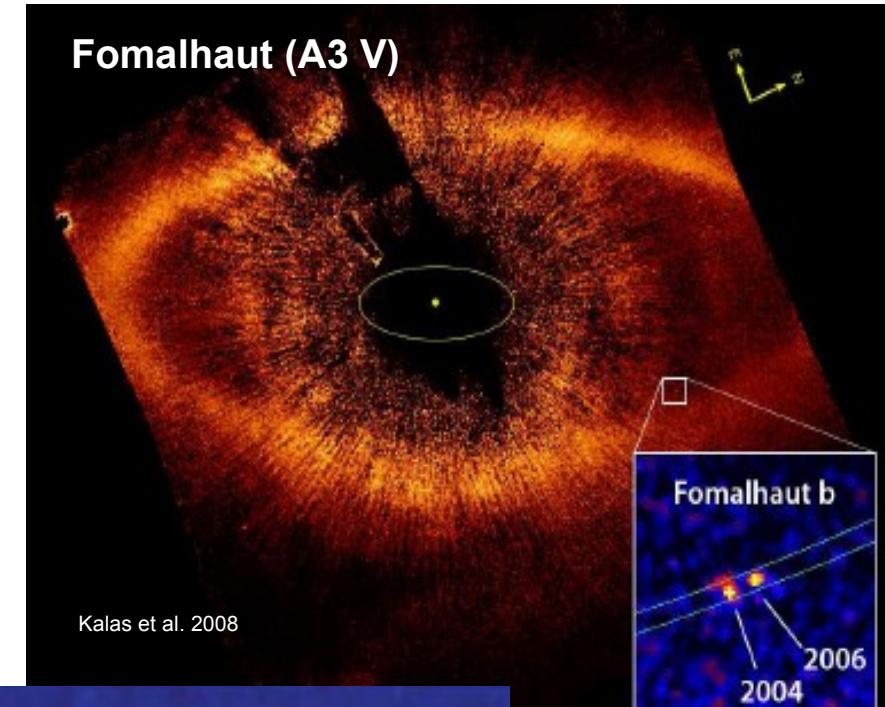
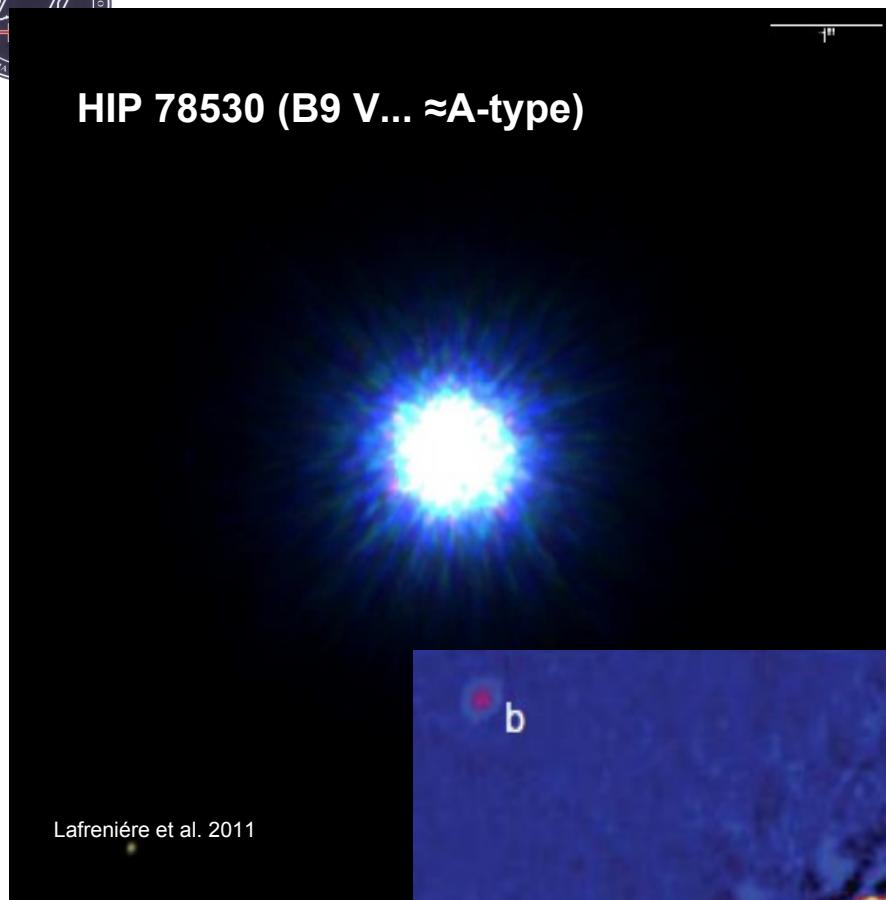
ISAAC in a Nutshell

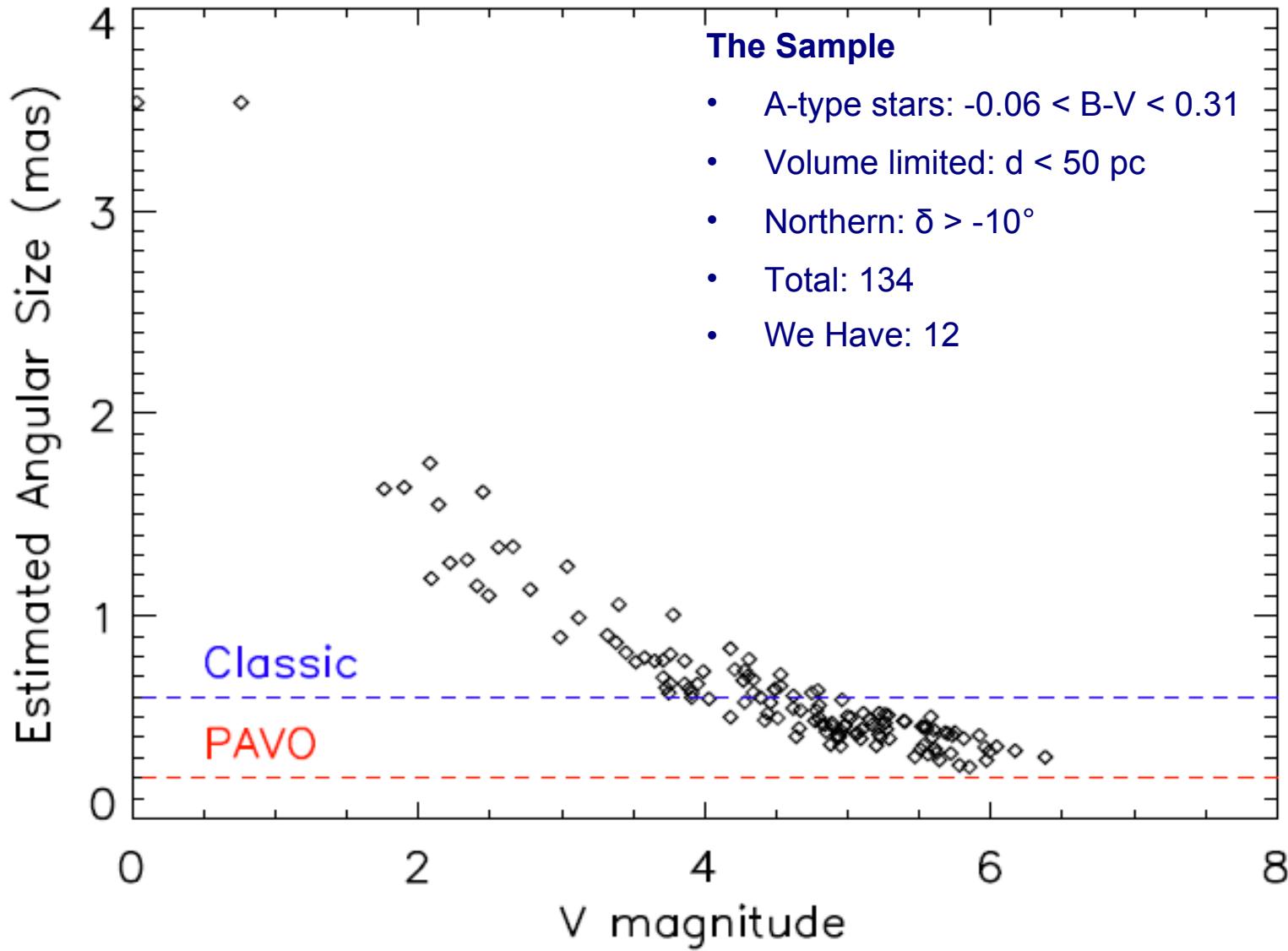
- Measure radii of nearby A-stars
- Determine ages from evolutionary models





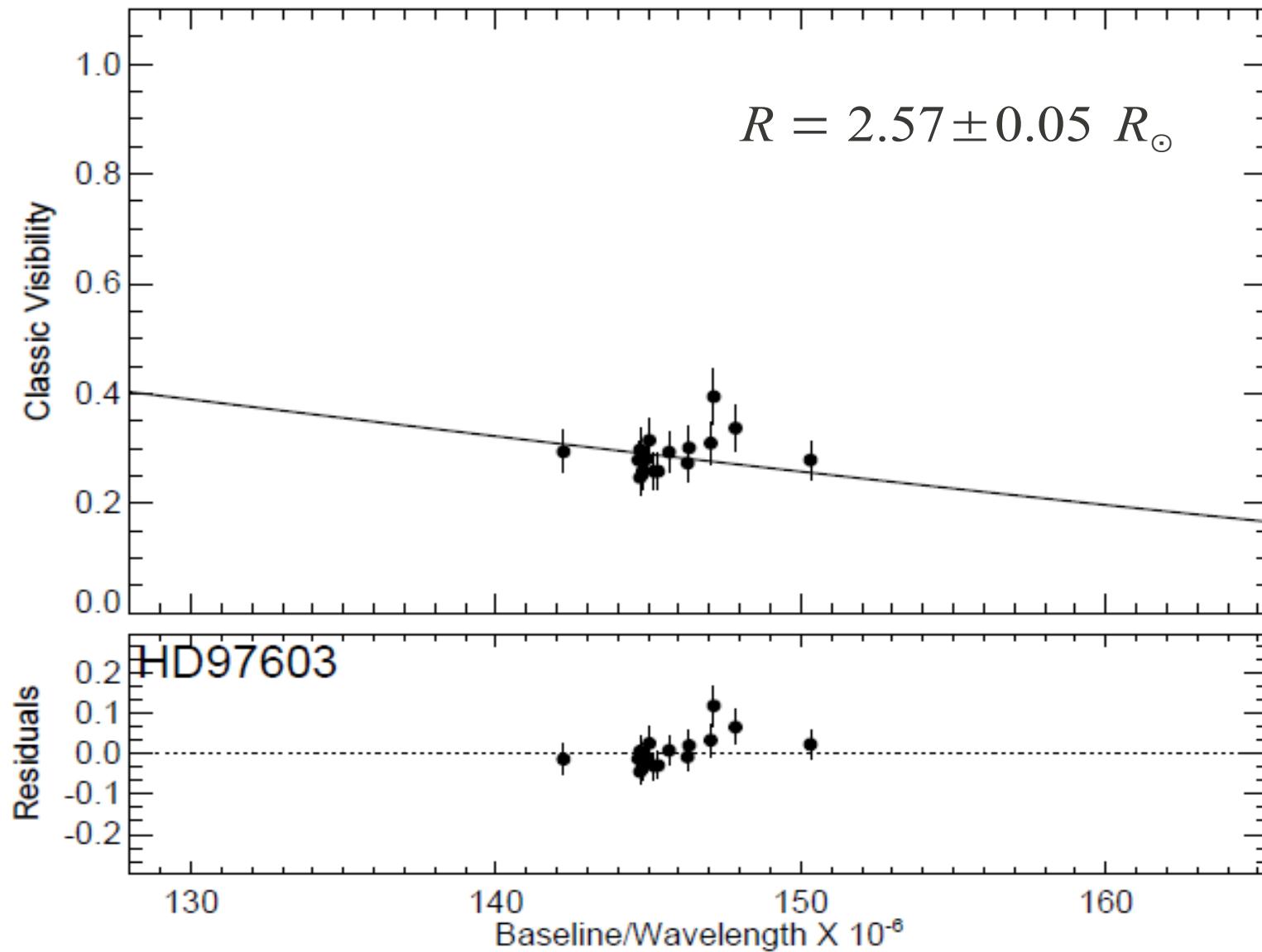
NASA, ESA, D. Golimowski (Johns Hopkins University), D. Ardila (IPAC), J. Krist (JPL), M. Clampin (GSFC), H. Ford (JHU), and G. Illingworth (UCO/Lick) and the ACS Science Team





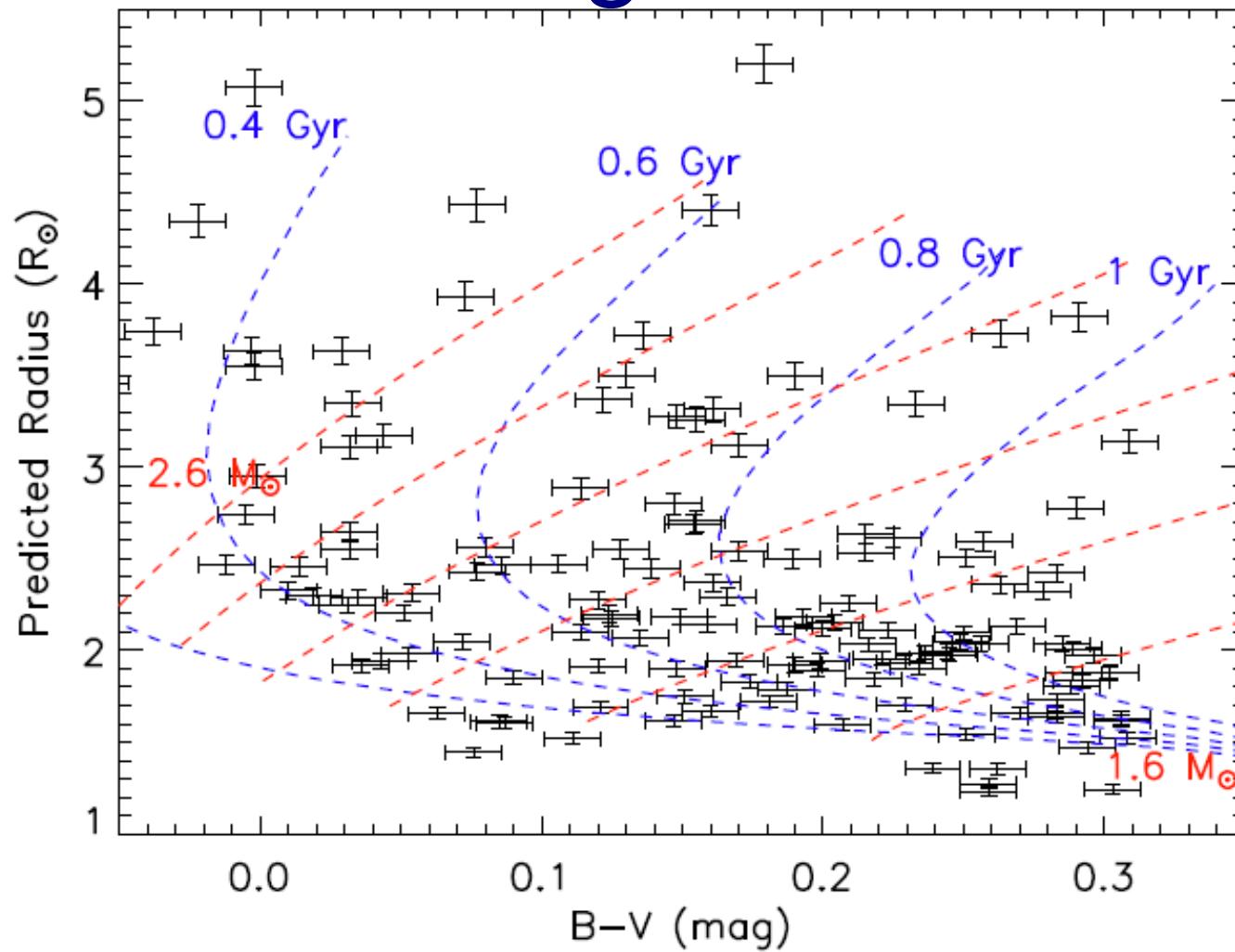


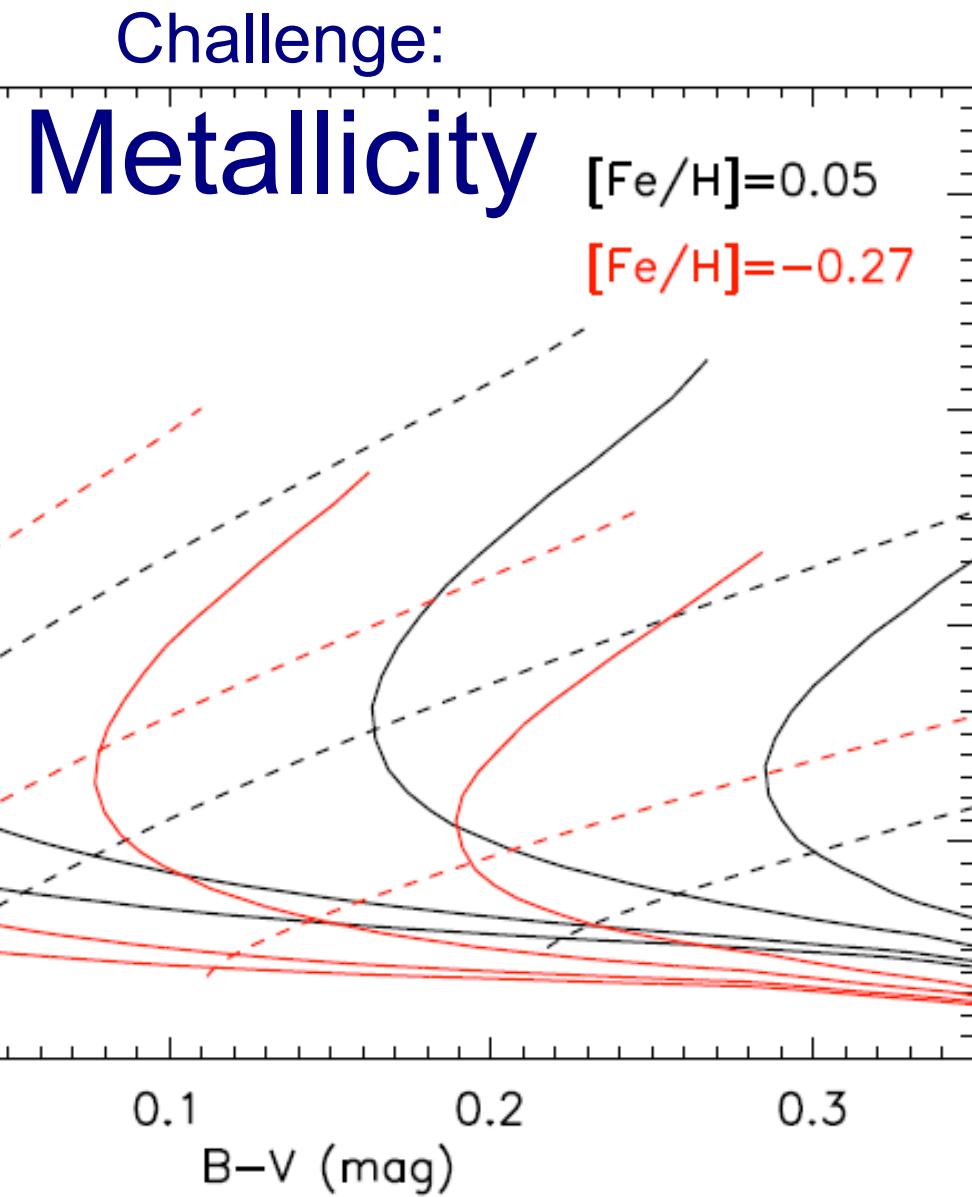
CHARA Collaboration Year-Seven Science Review





Ages

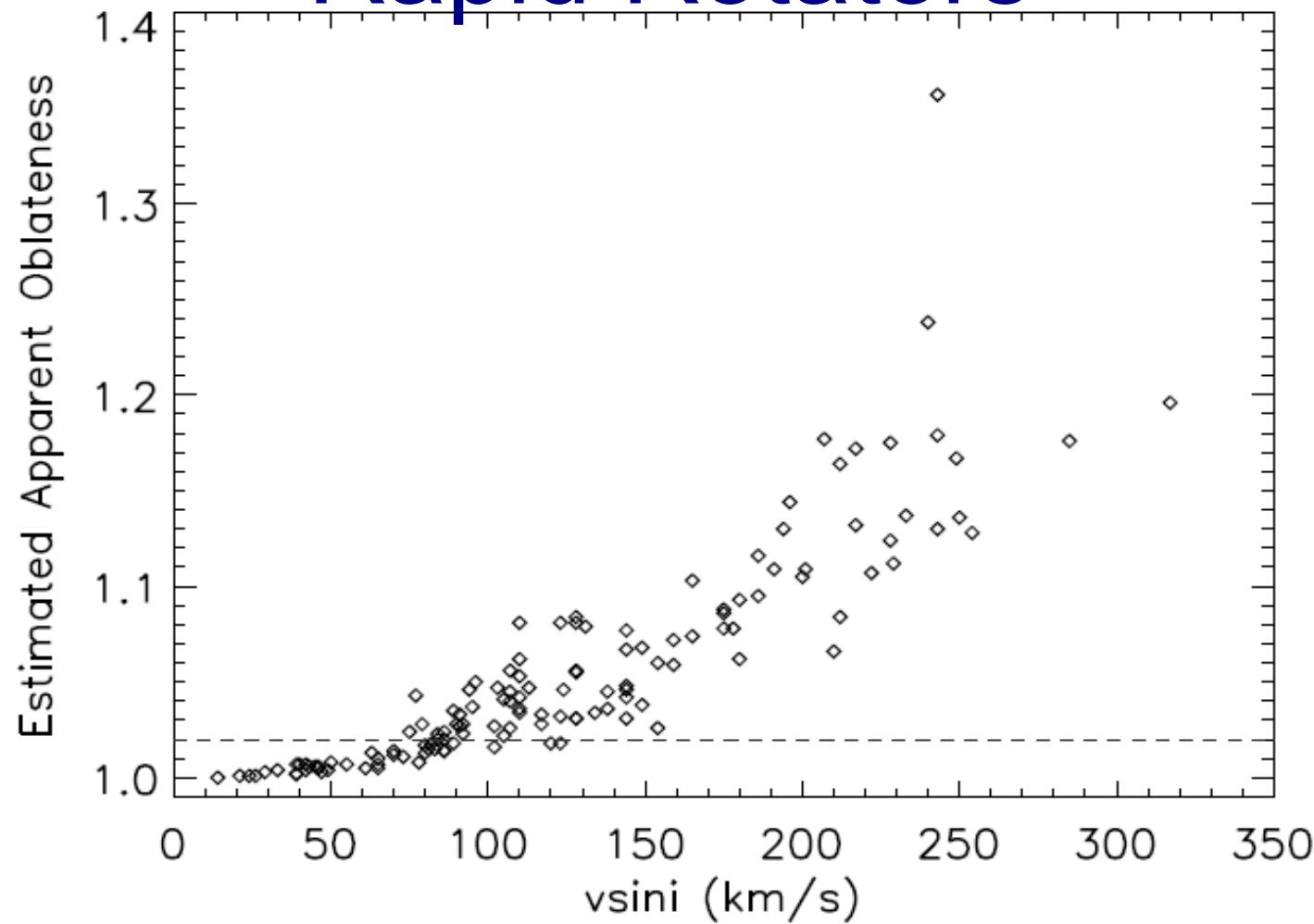






Challenge:

Rapid Rotators





Summary

- Measure radii for all nearby A-stars
 - Using Classic/CLIMB for large targets, PAVO for small targets
- Determine ages based on these radii
 - ~5% precision on “simple” systems
- Open to collaboration