ADEBBDs



Accelerating Detached Eclipsing Binaries with Brown Dwarfs

Direct imaging of DEBs that show proper motion anomaly (PMA), and have parameters known with high precision. Search for brown dwarfs (BDs) older than ~1 Gyr. Precise knowledge of the age, mass, distance and metallicity of the host allows for determination of those parameters for the companion.

These BDs will be benchmarks for evolutionary models of cool and ultracool dwarfs beyond 1 Gyr.

