Stellar radius of kepler 90

Abstract This paper reviews the science behind orbital mechanics and acts as a summary to the most commonly used orbital maneuvers. The analysis details Hohmann transfer orbits and bi ...

The radial velocity curve and the Kepler light curve were used in PHOEBE to perform binary analysis which determined the stellar and orbital parameters. Gaia multi-color photometry was ...

The usefulness of Kepler"s laws extends to the motions of natural and artificial satellites, as well as to stellar systems and extrasolar planets. As formulated by Kepler, the laws do not, of course, take into account the ...

To determine accurate masses and orbital parameters for planets g and h, we combined 34 radial velocities (RVs) of Kepler-90, collected over a decade, with the Kepler transit data. We jointly modeled the transit times of ...

This reduction means we can obtain fundamental properties - stellar masses, radii, temperatures and luminosities - for every eclipsing binary star ever observed within a month or two.

Context. Stellar flares are powerful bursts of electromagnetic radiation that are triggered by magnetic reconnection in the chromosphere of stars. They occur frequently and intensely on ...

In this paper, we assess whether undiscovered planets might occupy these gaps in systems with outer giants. For each of the four relevant systems - Kepler-48, Kepler-65, Kepler-90, and ...

Aims. Understanding flare activity in RS CVn stars is crucial for elucidating their magnetic activity properties. This study aims to conduct a detailed statistical analysis of stellar flare ...

In this study, we derived stellar metallicities and oxygen abundances for 45 M dwarf stars (with 65 exoplanets) using the near-infrared high-resolution spectra from the SDSS APOGEE survey ...

Web: https://ekusenitours.co.za