



PLANETA KELT-3 b

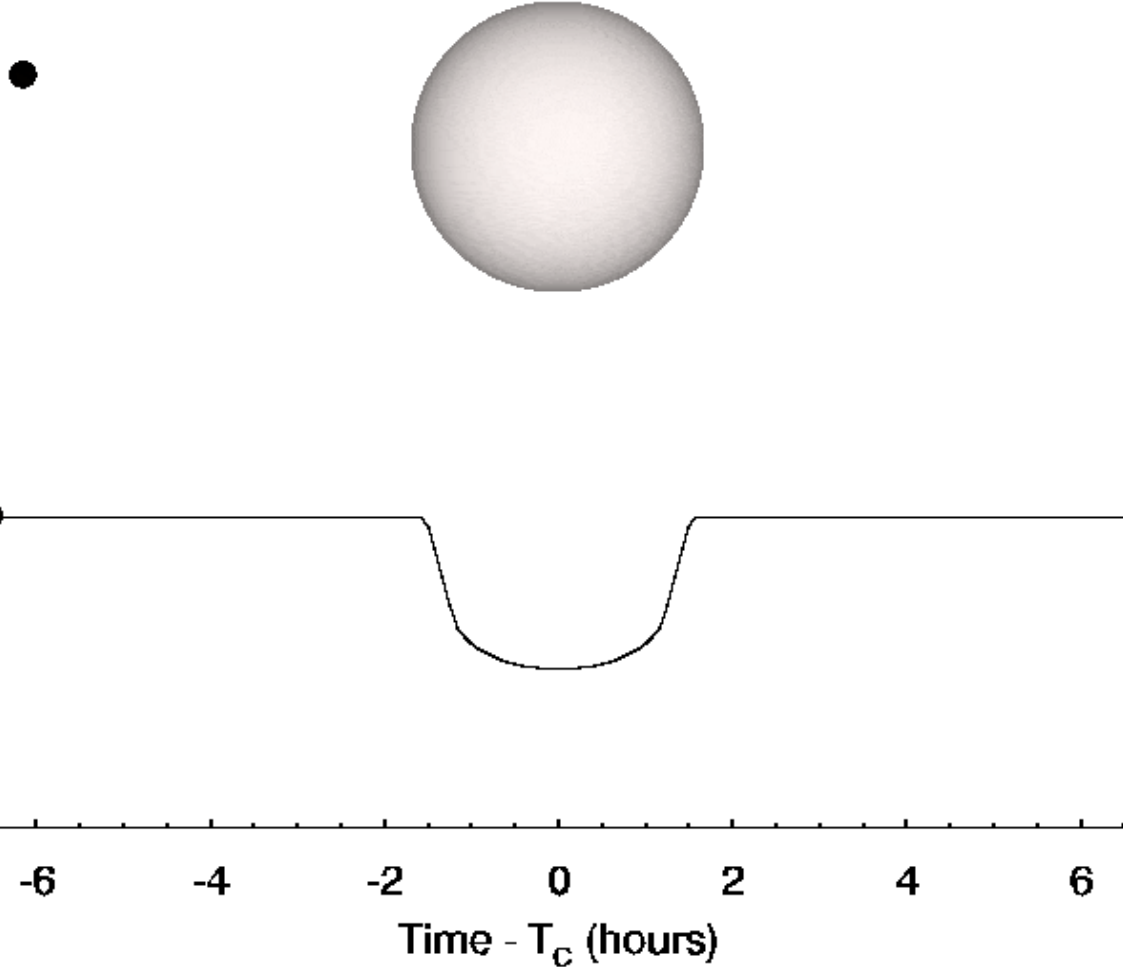
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PLANETA KELT-3 b



We report the discovery of KELT-3b, a moderately inflated transiting hot Jupiter with a mass of $1.477_{-0.067}^{+0.066} M_J$, radius of $1.345 \pm 0.072 R_J$, and an orbital period of 2.7033904 ± 0.000010 days.

KELT-3



KELT-3b, a moderately inflated transiting hot Jupiter with a mass of $1.477 (-0.067, +0.066)$ M_J , and radius of $1.345 \pm 0.072 R_J$, with an orbital period of 2.7033904 ± 0.000010 days. The host star, KELT-3, is a $V=9.8$ late F star with $M_* = 1.278 (-0.061, +0.063) M_{\text{sun}}$, $R_* = 1.472 (-0.067, +0.065) R_{\text{sun}}$, $T_{\text{eff}} = 6306 (-49, +50)$ K, $\log(g) = 4.209 (-0.031, +0.033)$, and $[\text{Fe}/\text{H}] = 0.044 (-0.082, +0.080)$, and has a likely proper motion companion. KELT-3b is the third transiting exoplanet discovered by the KELT survey, and is orbiting one of the 20 brightest known transiting planet host stars, making it a promising candidate for detailed characterization studies.