Table 1. Median values and 68% confidence interval for OGLE-TR-1008.

Parameter	Units	Values
Stellar Parameters:		
M_*	Mass ($M_\odot$)	$0.98^{+0.29}_{-0.35}$
R_*	Radius ($R_\odot$)	$2.10^{+0.19}_{-0.16}$
$R_{*,SED}$ ..	Radius[1] ($R_\odot$)	$2.23^{+0.20}_{-0.17}$
L_*	Luminosity ($L_\odot$)	$2.82^{+0.83}_{-0.75}$
F_{Bol}	Bolometric Flux (cgs)	$0.0000000000290^{+0.0000000000062}_{-0.0000000000063}$
ρ_*	Density (cgs)	$0.146^{+0.069}_{-0.057}$
$\log g$	Surface gravity (cgs)	$3.78^{+0.15}_{-0.20}$
$T_{\rm eff}$	Effective Temperature (K)	5130^{+430}_{-390}
$T_{\rm eff,SED}$ ..	Effective Temperature[1] (K)	4980^{+440}_{-390}
[Fe/H]..	Metallicity (dex)	$-2.3^{+2.0}_{-1.4}$
$[{\rm Fe/H}]_0$.	Initial Metallicity[2]	$-2.3^{+2.0}_{-1.4}$
Age	Age (Gyr)	$0.00077^{+0.00066}_{-0.00039}$
EEP	Equal Evolutionary Phase[3]	134^{+18}_{-26}
A_V	V-band extinction (mag)	$1.48^{+0.36}_{-0.42}$
σ_{SED}	SED photometry error scaling	$8.7^{+1.3}_{-1.1}$
ϖ	Parallax (mas)	$0.566^{+0.043}_{-0.039}$
d	Distance (pc)	1770^{+130}_{-120}
Planetary Parameters:		b
P	Period (days)	$63.2215^{+0.0029}_{-0.0028}$
R_P	Radius ($R_{\rm J}$)	$1.170^{+0.11}_{-0.087}$
M_P	Mass[4] ($M_{\rm J}$)	21^{+46}_{-18}
T_C	Time of conjunction[5] ($\rm BJD_{TDB}$)	$2455416.535^{+0.079}_{-0.062}$
T_T	Time of minimum projected separation[6] ($\rm BJD_{TDB}$)	$2455416.535^{+0.079}_{-0.062}$
T_0	Optimal conjunction Time[7] ($\rm BJD_{TDB}$)	$2456744.191^{+0.033}_{-0.031}$
a	Semi-major axis (AU)	$0.312^{+0.028}_{-0.041}$
i	Inclination (Degrees)	$88.87^{+0.49}_{-0.44}$
T_{eq}	Equilibrium temperature[8] (K)	652^{+51}_{-56}
$\tau_{\rm circ}$	Tidal circularization timescale (Gyr)	$2200000^{+5100000}_{-2000000}$
K	RV semi-amplitude[4] (m/s)	1110^{+2400}_{-940}
R_P/R_* ..	Radius of planet in stellar radii	$0.0575^{+0.0050}_{-0.0051}$
a/R_* ...	Semi-major axis in stellar radii	$31.6^{+4.3}_{-4.7}$
δ	$\left(R_P/R_*\right)^2$	$0.00331^{+0.00060}_{-0.00056}$
$\delta_{\rm I}$	Transit depth in I (fraction)	$0.00358^{+0.00061}_{-0.00060}$
$\delta_{\rm V}$	Transit depth in V (fraction)	$0.00376^{+0.00073}_{-0.00069}$
τ	Ingress/egress transit duration (days)	$0.047^{+0.021}_{-0.011}$
T_{14}	Total transit duration (days)	$0.552^{+0.067}_{-0.074}$

Table 1 continued on next page

Table 1 *(continued)*

Parameter	Units	Values
T_{FWHM} ..	FWHM transit duration (days)	$0.501^{+0.072}_{-0.079}$
b	Transit Impact parameter	$0.63^{+0.14}_{-0.25}$
$\delta_{S,2.5\mu m}$ ..	Blackbody eclipse depth at 2.5μm (ppm)	$1.01^{+0.80}_{-0.56}$
$\delta_{S,5.0\mu m}$ ..	Blackbody eclipse depth at 5.0μm (ppm)	$30.1^{+12}_{-9.8}$
$\delta_{S,7.5\mu m}$ ..	Blackbody eclipse depth at 7.5μm (ppm)	81^{+25}_{-19}
ρ_P	Density[4] (cgs)	17^{+38}_{-16}
$logg_P$ ...	Surface gravity[4]	$4.61^{+0.52}_{-0.92}$
Θ	Safronov Number	$11^{+30}_{-10.}$
$\langle F \rangle$	Incident Flux (10^9 erg s^{-1} cm^{-2})	$0.041^{+0.014}_{-0.012}$
T_P	Time of Periastron (BJD$_{\rm TDB}$)	$2455416.535^{+0.079}_{-0.062}$
T_S	Time of eclipse (BJD$_{\rm TDB}$)	$2455448.146^{+0.079}_{-0.062}$
T_A	Time of Ascending Node (BJD$_{\rm TDB}$)	$2455463.952^{+0.077}_{-0.060}$
T_D	Time of Descending Node (BJD$_{\rm TDB}$)	$2455432.341^{+0.078}_{-0.062}$
V_c/V_e ...	.....	1.00
$M_P \sin i$.	Minimum mass[4] ($M_{\rm J}$)	21^{+46}_{-18}
M_P/M_* .	Mass ratio[4]	$0.021^{+0.054}_{-0.017}$
d/R_* ...	Separation at mid transit	$31.6^{+4.3}_{-4.7}$
P_T	A priori non-grazing transit prob	$0.0298^{+0.0053}_{-0.0035}$
$P_{T,G}$	A priori transit prob	$0.0334^{+0.0058}_{-0.0039}$
Wavelength Parameters:		I / V
u_1	linear limb-darkening coeff	$0.265^{+0.17}_{-0.089}$ / $0.408^{+0.27}_{-0.096}$
u_2	quadratic limb-darkening coeff	$0.278^{+0.073}_{-0.083}$ / $0.275^{+0.087}_{-0.17}$
Transit Parameters:		OGLE UT 2010-08-08 (I) / OGLE UT 2010-08-08 (V)
σ^2	Added Variance	$0.00001829^{+0.00000031}_{-0.00000032}$ / $0.0000616^{+0.0000077}_{-0.0000068}$
F_0	Baseline flux	$1.000163^{+0.000043}_{-0.000041}$ / $1.00052^{+0.00057}_{-0.00056}$

See Table 3 in Eastman, J. et al., 2019, arXiv:1907.09480 for a detailed description of all parameters

[1] This value ignores the systematic error and is for reference only

[2] The metallicity of the star at birth

[3] Corresponds to static points in a star's evolutionary history. See §2 in Dotter, A., 2016, ApJS, 222, 8

[4] Uses measured radius and estimated mass from Chen, J., & Kipping, D. 2017, ApJ, 834, 17

[5] Time of conjunction is commonly reported as the "transit time"

[6] Time of minimum projected separation is a more correct "transit time"

[7] Optimal time of conjunction minimizes the covariance between T_C and Period

[8] Assumes no albedo and perfect redistribution