Table 1. Median values and 68% confidence interval for OGLE-TR-1073.

Parameter	Units	Values
Stellar Parameters:		
M_*	Mass ($M_\odot$)	$1.29^{+0.53}_{-0.49}$
R_*	Radius ($R_\odot$)	$3.26^{+1.2}_{-0.37}$
$R_{*,SED}$ ..	Radius[1] ($R_\odot$)	$3.37^{+1.3}_{-0.41}$
L_*	Luminosity ($L_\odot$)	$4.1^{+3.4}_{-1.3}$
F_{Bol}	Bolometric Flux (cgs)	$0.0000000000266^{+0.0000000000028}_{-0.0000000000043}$
ρ_*	Density (cgs)	$0.048^{+0.027}_{-0.032}$
$\log g$	Surface gravity (cgs)	$3.49^{+0.17}_{-0.37}$
$T_{\rm eff}$	Effective Temperature (K)	4530^{+180}_{-250}
$T_{\rm eff,SED}$ ..	Effective Temperature[1] (K)	4480^{+150}_{-240}
[Fe/H]..	Metallicity (dex)	$0.32^{+0.19}_{-0.30}$
$[{\rm Fe/H}]_0$.	Initial Metallicity[2]	$0.26^{+0.17}_{-0.28}$
Age	Age (Gyr)	$0.00059^{+0.00041}_{-0.00039}$
EEP	Equal Evolutionary Phase[3]	119^{+18}_{-30}
A_V	V-band extinction (mag)	$1.78^{+0.20}_{-0.39}$
σ_{SED}	SED photometry error scaling	$10.9^{+1.7}_{-1.3}$
ϖ	Parallax (mas)	$0.448^{+0.071}_{-0.12}$
d	Distance (pc)	2230^{+820}_{-310}
Planetary Parameters:		b
P	Period (days)	$6.92345^{+0.00018}_{-0.00019}$
R_P	Radius ($R_{\rm J}$)	$1.111^{+0.57}_{-0.094}$
M_P	Mass[4] ($M_{\rm J}$)	46^{+100}_{-35}
T_C	Time of conjunction[5] ($\rm BJD_{TDB}$)	$2455380.819^{+0.051}_{-0.054}$
T_T	Time of minimum projected separation[6] ($\rm BJD_{TDB}$)	$2455380.819^{+0.051}_{-0.054}$
T_0	Optimal conjunction Time[7] ($\rm BJD_{TDB}$)	2457104.756 ± 0.019
a	Semi-major axis (AU)	$0.0786^{+0.0093}_{-0.011}$
i	Inclination (Degrees)	$84.6^{+3.5}_{-7.5}$
T_{eq}	Equilibrium temperature[8] (K)	1425^{+220}_{-88}
$\tau_{\rm circ}$	Tidal circularization timescale (Gyr)	280^{+560}_{-230}
K	RV semi-amplitude[4] (m/s)	4300^{+8300}_{-3300}
R_P/R_* ..	Radius of planet in stellar radii	$0.0362^{+0.0044}_{-0.0036}$
a/R_* ...	Semi-major axis in stellar radii	$5.03^{+0.80}_{-1.4}$
δ	$\left(R_P/R_*\right)^2$	$0.00131^{+0.00034}_{-0.00025}$
$\delta_{\rm I}$	Transit depth in I (fraction)	$0.00153^{+0.00029}_{-0.00028}$
$\delta_{\rm V}$	Transit depth in V (fraction)	$0.00175^{+0.00042}_{-0.00048}$
τ	Ingress/egress transit duration (days)	$0.0176^{+0.025}_{-0.0036}$
T_{14}	Total transit duration (days)	$0.402^{+0.047}_{-0.040}$

Table 1 continued on next page

Table 1 *(continued)*

Parameter	Units	Values
T_{FWHM} ..	FWHM transit duration (days)	$0.374^{+0.045}_{-0.041}$
b	Transit Impact parameter	$0.49^{+0.32}_{-0.31}$
$\delta_{S,2.5\mu m}$ ..	Blackbody eclipse depth at 2.5μm (ppm)	55^{+70}_{-12}
$\delta_{S,5.0\mu m}$ ..	Blackbody eclipse depth at 5.0μm (ppm)	169^{+120}_{-30}
$\delta_{S,7.5\mu m}$ ..	Blackbody eclipse depth at 7.5μm (ppm)	234^{+140}_{-41}
ρ_P	Density[4] (cgs)	30^{+38}_{-22}
$logg_P$ ...	Surface gravity[4]	$4.94^{+0.23}_{-0.60}$
Θ	Safronov Number	$5.6^{+5.7}_{-4.4}$
$\langle F \rangle$	Incident Flux (10^9 erg s^{-1} cm^{-2})	$0.94^{+0.73}_{-0.21}$
T_P	Time of Periastron (BJD$_{\rm TDB}$)	$2455380.819^{+0.051}_{-0.054}$
T_S	Time of eclipse (BJD$_{\rm TDB}$)	$2455377.357^{+0.051}_{-0.054}$
T_A	Time of Ascending Node (BJD$_{\rm TDB}$)	$2455386.012^{+0.051}_{-0.054}$
T_D	Time of Descending Node (BJD$_{\rm TDB}$)	$2455382.550^{+0.051}_{-0.054}$
V_c/V_e ...	.....	1.00
$M_P \sin i$.	Minimum mass[4] ($M_{\rm J}$)	46^{+100}_{-35}
M_P/M_* .	Mass ratio[4]	$0.036^{+0.081}_{-0.028}$
d/R_* ...	Separation at mid transit	$5.03^{+0.80}_{-1.4}$
P_T	A priori non-grazing transit prob	$0.192^{+0.076}_{-0.027}$
$P_{T,G}$	A priori transit prob	$0.206^{+0.085}_{-0.028}$

Wavelength Parameters:		I	V
u_1	linear limb-darkening coeff	$0.477^{+0.059}_{-0.060}$	$0.794^{+0.073}_{-0.076}$
u_2	quadratic limb-darkening coeff	$0.179^{+0.056}_{-0.055}$	$0.018^{+0.070}_{-0.068}$

Transit Parameters:		OGLE UT 2010-07-03 (I)	OGLE UT 2010-07-03 (V)
σ^2	Added Variance	$0.00002294^{+0.00000039}_{-0.00000038}$	$0.0000406^{+0.0000073}_{-0.0000065}$
F_0	Baseline flux	$1.000319^{+0.000049}_{-0.000050}$	1.00002 ± 0.00060

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