Microlensing parameters in `MulensModel` class `ModelParameters`:

Parameter	Name in `MulensModel`	Unit	Description
t_0	`t_0`		The time of the closest approach between the source and the lens.
u_0	`u_0`		The impact parameter between the source and the lens center of mass.
$t_{\rm E}$	`t_E`	d	The Einstein crossing time.
$t_{\rm eff}$	`t_eff`	d	The effective timescale, $t_{\rm eff} \equiv u_0 t_{\rm E}$.
ρ	`rho`		The radius of the source as a fraction of the Einstein ring.
$t_\star$	`t_star`	d	The source self-crossing time, $t_\star \equiv \rho t_{\rm E}$.
$\pi_{{\rm E},N}$	`pi_E_N`		The North component of the microlensing parallax vector.
$\pi_{{\rm E},E}$	`pi_E_E`		The East component of the microlensing parallax vector.
$t_{0,\rm par}$	`t_0_par`		The reference time for parameters in parallax models.[a]
s	`s`		The projected separation between the lens primary and its companion as a fraction of the Einstein ring radius.
q	`q`		The mass ratio between the lens companion and the lens primary $q \equiv m_2/m_1$.
α	`alpha`	deg.	The angle between the source trajectory and the binary axis.
ds/dt	`ds_dt`	yr^{-1}	The rate of change of the separation.
$d\alpha/dt$	`dalpha_dt`	deg. yr^{-1}	The rate of change of α.
$t_{0,\rm kep}$	`t_0_kep`		The reference time for lens orbital motion calculations.[a]

Table 1: Notes: [a] – $t_{0,\rm par}$ and $t_{0,\rm kep}$ are reference parameters, hence, do not change these during fitting.

Some of the parameters can be defined separately for each of the sources. In that case, add `_1` or `_2` to parameter name. These are:

- `t_0_1`, `t_0_2`,
- `u_0_1`, `u_0_2`,
- `rho_1`, `rho_2`,
- `t_star_1`, `t_star_2`.