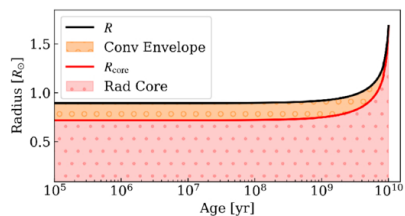
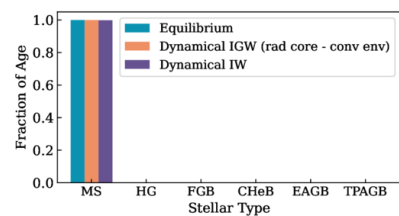


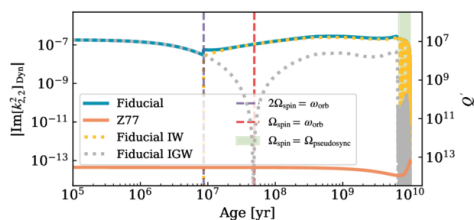
Figure 5. from
 Veome Kapil et al 2026 *Astrophys. J.* 1002 doi:10.3847/1538-4357/ae5e48
<https://dx.doi.org/10.3847/1538-4357/ae5e48>
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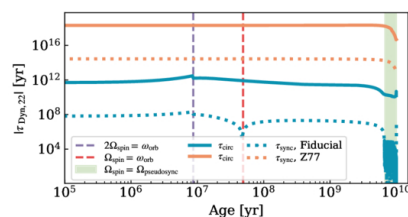
(a) Kippenhahn diagram of the primary star while on MS.



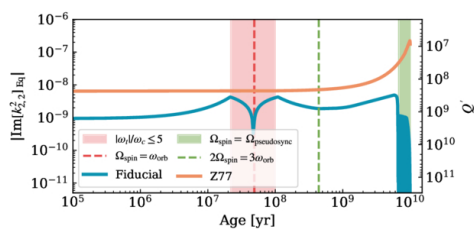
(b) Fraction of time that each tidal mechanism is applicable, up to MS.



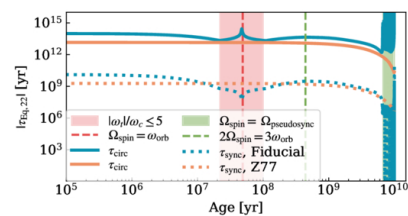
(c) Absolute strength of the $\ell = 2, m = 2, n = 2$ dynamical tidal Love number (left y-axis) and the tidal quality factor (right y-axis) of the primary star. The dotted yellow and gray curves show the contribution from IW and IGW dissipation, respectively.



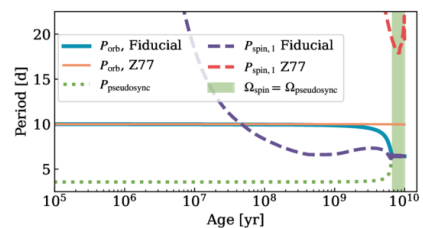
(d) Circularization and synchronization timescales from dynamical tides on the primary star.



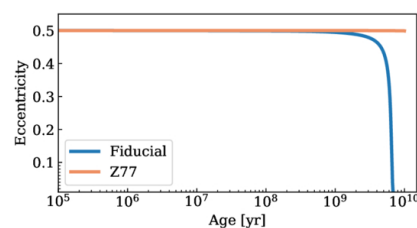
(e) Absolute strength of the $\ell = 2, m = 2, n = 2$ equilibrium tidal Love number (left y-axis) and the tidal quality factor (right y-axis) of the primary star.



(f) Circularization and synchronization timescales from equilibrium tides on the primary.



(g) Orbital and primary spin period evolution under the fiducial and Z77 models.



(h) Eccentricity evolution under the fiducial and Z77 models.