

Figure: Total mass minus initial mass of the WD as it accretes material and experiences a nova outbursts. The circle marks the maximum radius and the cross the maximum bolometric luminosity.

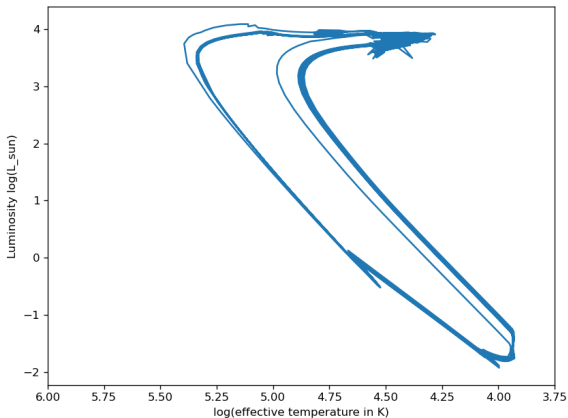


Figure: Evolution of the accreting WD through more than 10 outbursts in the HRD.

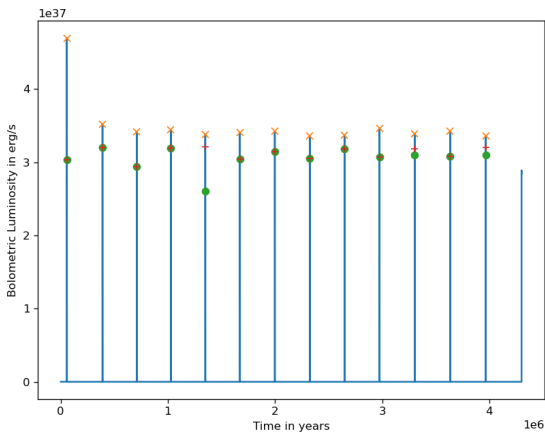


Figure: Evolution of the bolometric luminosity for novae on the 0.52 M_{sun} WD. The circle marks the maximum radius and the cross the maximum bolometric luminosity.

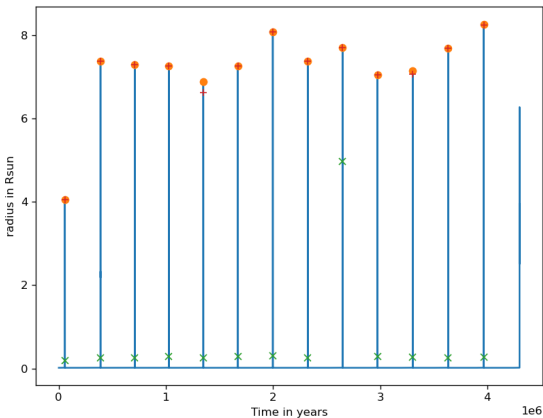


Figure: Evolution of the envelope radius for novae on the 0.52 M_{sun} WD. The circle marks the maximum radius and the cross the maximum bolometric luminosity.

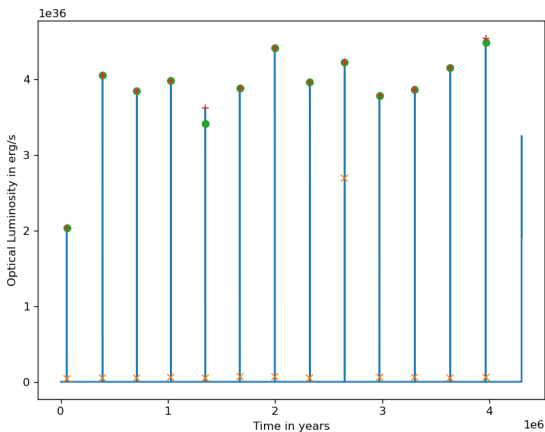


Figure: Evolution of the optical luminosity for novae on the 0.52 M_{sun} WD. The circle marks the maximum radius and the cross the maximum bolometric luminosity.

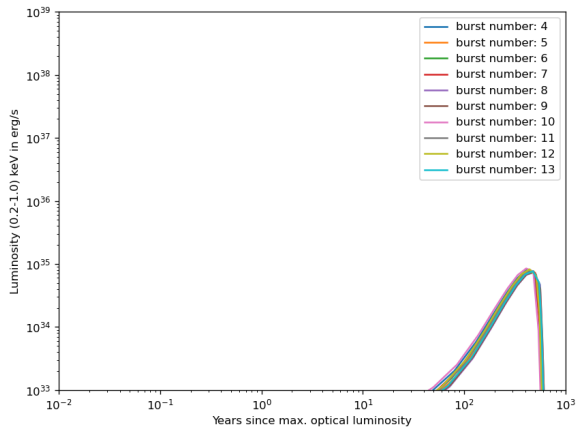


Figure: X-ray Lightcurves of the post nova SSS-phases.

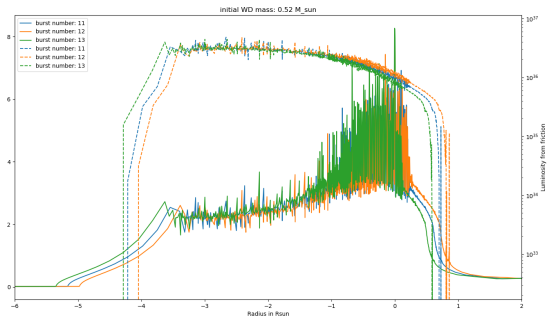


Figure: Radius and luminosity from friction for the last 3 bursts.

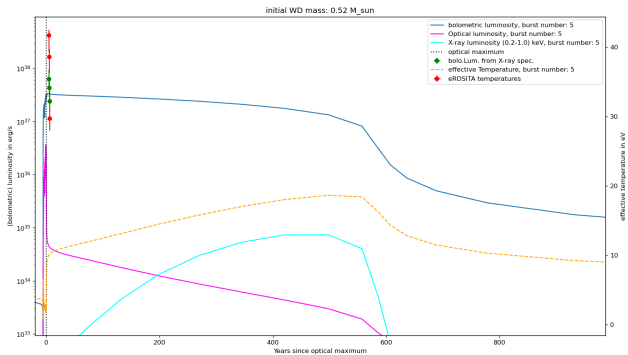


Figure: The final lightcurve and temperature evolution compared to some typical data as one would observe with eROSITA.

- ▶ The physics for the WDs and Novae are now fixed: No overshooting, but diffusion and some degree of mixing beyond conv. boundaries via convective premixing.
- ▶ optimizations to reduce runtime and/or resolution of the simulations are the next goal.