

THE EFFECTS OF THE OBSERVATIONAL SELECTION CRITERIA ON THE POST COMMON ENVELOPE  
WHITE DWARF-MAIN SEQUENCE BINARY POPULATION

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We present a detailed model of the Galactic white dwarf-main sequence binary population based on Monte Carlo techniques. We have used the most up-to-date stellar evolutionary models (Hurley et al. 2000), a complete treatment of the Roche lobe overflow episode, as well as a full implementation of the orbital evolution of the binary system. Preliminary results are presented for the white dwarf-main sequence binary population as resulting from a common envelope episode. We also study the effects of the observational selection criteria on the color-color diagram, for different binding energy parameters and common envelope efficiencies. Finally, we also compare our results with the population of identified white dwarf-main sequence binaries.