

Figure 1: Comparison between two waveforms of h_+ with respect to retarded time in units of central black hole mass M. The red dashed line is the waveform under d1=0.2, e=0.5,p=6. The black solid line is the waveform under d1=0 and e, p adapted so that the orbital frequencies ω_r and ω_ϕ are the same as that of the orbit under d1=0.2, e=0.5, p=6. The spin of the central black hole is 0.5M.