

L. Barack: Status of post-adiabatic EMRI modelling

Wednesday, June 7, 2023 10:15 AM (30 minutes)

I will review recent work (by others) on post-adiabatic models for EMRIs and IMRIs, illustrating the remarkable effectiveness of the small-mass-ratio expansion even at mass ratios that are not so small. Interesting synergies with NR and EOB calculations will be discussed. Whether one thinks of environmental effects as signals to be extracted or as noise to be removed, it is crucial to have at hand 1PA-accuracy models of clean EMRIs.