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Multipole moments in traditional PN approach

Thursday, 8 July 2021 17:00 (30 minutes)

Theoretical and numerical works on the two-body problem in general relativity (GR) play a very important role when detecting and interpreting the gravitational wave signals. In this talk, we review the present state-of-the-art on traditional post-Newtonian (PN) methods in GR, applied to the gravitational wave and phase evolotion of inspiralling compact binaries. In particular, we emphasize some recent developments done in synergy with the effective field theory (EFT).

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