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Memory effect in LISA sources: prospects and relevance

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Gravitational wave memory is a non-linear prediction of general relativity that informs us about the fluxes emitted by gravitational wave sources. Its detection is more challenging than the ordinary waveform, and requires dedicated studies. On the other hand, the information in the memory is complementary to the main signal and may even break some degeneracies of the latter, or probe new aspects of GR. In this talk, I will present the most up to date analysis of how LISA may detect GW memory, also considering the up to date population models. I will finally discuss some implications for parameter estimation.

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