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QFT methods for GW phyiscs

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Recent years have seen a renewed interest in analytical treatments of the two body problem in gravity. This is mainly due to the recent detections of gravitational waves from binary coalescences. Lately, many tools originating from particle physics and QFT have been utilized for the analytic solution of the two-body problem in gravity such as EFT methods and modern methods for Scattering Amplitudes. In this talk, we will present some recent results derived using these techniques.

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