26th Capra Meeting on Radiation Reaction in General Relativity

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## The on-shell approach to radiation reaction

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We describe an on-shell approach to discussing radiation reaction problems within the post-Minkowskian and self-force approximations to general relativity. In both cases, the notions of coherent states and eikonal exponentiation are key tools for accessing this physics in terms of on-shell amplitudes. We will explore a few applications and demonstrate how these tools can be used to relate amplitudes in vacuum to those on a given background, such as Schwarzschild.

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