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Quantum Mechanics of Radiation Fields

Tuesday, 6 July 2021 19:00 (35 minutes)

I will discuss two complementary ways that one can address the quantum nature of radiation fields, with special reference to gravitational radiation. One, based on the Feynman-Vernon influence functional, is in principle complete, but challenging to work out fully. The second, based on minimal modeling of space-time and quantum theory, is extremely tractable, and sheds considerable light on black hole “paradoxes”.

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