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## Surprising consequences of a positive cosmological constant (I)

Wednesday 13 June 2018 11:30 (30 minutes)

The study of isolated systems has been vastly successful in the context of vanishing cosmological constant,  $\Lambda$ =0. However, there is no physically useful notion of asymptotics for the universe we inhabit with  $\Lambda$ >0. The full non-linear framework is still under development, but some interesting results at the linearized level have been obtained. I will focus on the conceptual subtleties that arise at the linearized level and discuss the quadrupole formula for gravitational radiation as well as some recent developments.

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