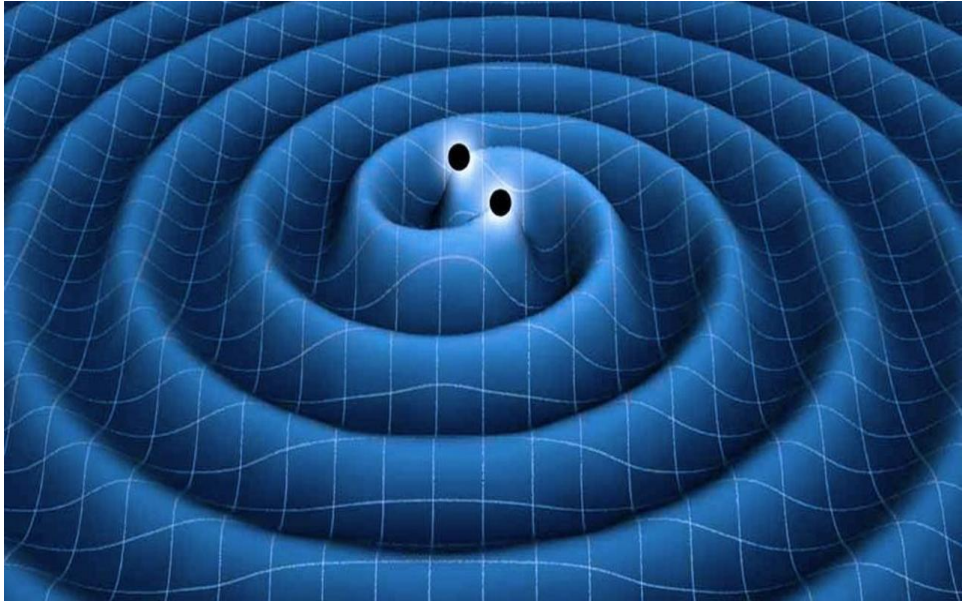




COLLOQUIUM



Dr. Doug Singleton
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Gravitational Waves

Abstract

The direct detection of gravitational waves by the LIGO-Virgo collaboration is one of the most important, recent discoveries in science, which promises to open a new window to the Universe. In this talk I cover some of the history and basic ideas behind gravitational waves from the early claims of existence or nonexistence of gravitational waves by Poincare, Einstein and others to the modern theoretical view of the nature of gravitational waves and how they are detected. I will briefly mention some of my own recent, speculative work in this area dealing with the coupling of photons with gravitons.

<https://fresnostate.zoom.us/j/86876409409?pwd=VEhTMk05ZEJmbUtQcThMNDVnQURZZz09>

3:00 p.m. – 4:00 pm Friday, January 29th Virtual