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Exploring a stochastic background of gravitational waves

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The recent detections of gravitational waves from coalescing binary black holes by the Advanced Laser Interferometer Gravitational-wave Observatory (LIGO) suggest that a stochastic gravitational wave background may be detectable by advanced detectors running at their design sensitivity. Looking at results from searches for both isotropic and anisotropic stochastic backgrounds in Advanced LIGO's first observing run, we discuss the implications such a detection could have on studies of the early universe.

Summary

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