The NINJA-2 project: Detecting and characterizing gravitational waveforms modelled using numerical binary black hole simulations
IAN HARRY, Syracuse University, LIGO COLLABORATION, VIRGO COLLABORATION, NINJA-2 COLLABORATION — The Numerical INJection Analysis (NINJA) project is a collaborative effort between members of the numerical relativity and gravitational-wave astrophysics communities. The purpose of NINJA is to study the ability to detect gravitational waves emitted from merging binary black holes and recover their parameters with next-generation gravitational-wave observatories. We report here on the results of the second NINJA project, NINJA-2, which employs 60 complete binary black hole hybrid waveforms consisting of a numerical portion modelling the late inspiral, merger, and ringdown stitched to a post-Newtonian portion modelling the early inspiral.

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