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The NINJA-2 Waveform Catalog LARNE PEKOWSKY, Georgia Institute of Technology, NINJA COLLABORATION — Two important advances have occurred in recent years which have brought us closer to the goal of observing and interpreting gravitational waves from coalescing compact objects: the successful construction and operation of a world-wide network of ground-based gravitational-wave detectors and the impressive success of numerical relativity in successfully simulating the merger phase of Binary Black Hole (BBH) coalescence. The aim of the NINJA project is to study the sensitivity of gravitational-wave analysis pipelines to numerical simulations of waveforms and foster close collaboration between numerical relativists and data analysts. NINJA-1 was a huge success, over 75 numerical relativists and data analysis participated in the contribution of a simulated data set containing numerical waveforms, analysis of this data and interpreting the results of this analysis. The follow-up project, NINJA-2 is currently underway. We present some of the goals of NINJA-2 and discuss aspects of the construction of the catalog of waveforms which will be used.

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