

Simulating black hole binaries

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Our recently acquired ability to detect gravitational waves has expanded our senses and our possibilities of inquiring the Universe. As a new era of gravitational wave detections rapidly unfolds, the importance of having accurate models for their signals becomes increasingly important. In this context, we will discuss numerical simulations of black hole binaries. In particular, we will focus on how they are made, what they help us achieve, and what are the current challenges in this research area.

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