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Generic, Long, High Mass Ratio Binary Black Hole Inspiral Simulations AARON ZIMMERMAN, ADAM LEWIS, HARALD PFEIFFER, CITA, SXS COLLABORATION — We present for the first time high mass ratio ($q = 5$ and $q = 7$), long (40 - 50 pericenter passages), eccentric and precessing binary black hole inspirals. These inspirals are well suited for comparison to both analytic Post-Newtonian theory and to the motion of a small mass around a central black hole with gravitational self-force corrections. We discuss the properties of these inspirals, our initial comparisons, and future directions.

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