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Precession Effects in Gravitational Waves from Compact Binaries ANTOINE KLEIN, NEIL CORNISH, NICO YUNES, Montana State University, Department of Physics — We calculate computationally-efficient gravitational waveforms for precessing quasi-circular binaries. These waveforms are based on the stationary phase approximation and are designed to reproduce as closely as possible waveforms calculated by solving the post-Newtonian equations of motion numerically and evaluating a discrete Fourier transform of the time series.

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