

Abstract Submitted
for the APR20 Meeting of
The American Physical Society

Near-field gravitational lensing with SpECTRE WILLIAM
THROWE, Cornell University, SXS COLLABORATION — The SpECTRE project
(<https://github.com/sxs-collaboration/spectre>) is primarily focused on solving elliptic and hyperbolic PDEs using discontinuous Galerkin methods. We present progress in applying SpECTRE to a different type of problem: tracing geodesics through a known spacetime. We give particular emphasis to the application to near-field gravitational lensing by black hole systems.

William Throwe
Cornell University

Date submitted: 10 Jan 2020

Electronic form version 1.4