

Abstract Submitted
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Dipole gravitational waves from compact binaries FRANKLIN FELBER, Starmark, Inc — During the sudden final inspirals of black-hole and neutron-star binaries, acceleration of the center of mass and other nonlinear relativistic effects produce powerful bursts of dipole gravitational radiation. The first observed inspiral event, GW150914, is estimated to have produced dipole gravitational radiation up to the order of 1 percent of the total radiated power and 10 percent of the strain signal. These estimates are not inconsistent with the observed unfiltered strain signals

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