

Abstract Submitted
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Binary Black Hole Neutron Star Initial Data¹ ALIREZA RASHTI,
WOLFGANG TICHY, Florida Atlantic University — We have made a new in-
frastructure, named Elliptica, to construct initial data for various compact objects.
Elliptica is an open-source code uses multi-domain spectral method with Schur com-
plement domain decomposition and direct solver to solve elliptic equations with arbi-
trary boundary conditions. Here, we present our first results about the construction
of initial data for black hole-neutron star binaries with arbitrary spin.

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