## **Elbereth conference 2025**



ID de Contribution: 101

Type: Oral presentation

## Innermost stable circular orbit of comparable-mass compact binaries at the fourth post-Newtonian

jeudi 10 avril 2025 17:15 (15 minutes)

We compute by means of post-Newtonian (PN) methods the innermost stable circular orbit of comparablemass compact binaries. Two methods are used with equivalent results: equations of motion in harmonic coordinates and Hamiltonian formalism in ADM coordinates.

## **Astrophysics Field**

General relativity

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Classification de thématique: Astrophysics