

LISA Data Challenge Workshop

ID de Contribution: 4

Type: Non spécifié

MBHB parameter estimation

mercredi 27 juillet 2022 18:40 (45 minutes)

This tutorial shows the general process to follow when analyzing LDC data to detect and characterize gravitational-waves from massive black hole binary sources.

The objective is to:

1. Load and plot the TDI data in time and frequency domain
2. Compute a source SNR
3. Compute a likelihood
4. Transformation to LISA frame and how it helps
6. Perform parameter estimation in the noiseless case

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