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Spectral-timing made easy with Stingray

Spectral-timing analyses are a key tool to investigate the innermost region in accreting X-ray sources. However, when encounter them, such techniques can appear strenuous to implement and use in an easy way. An advantageous way is to rely on well-maintained and reliable software such as Stingray.

Stingray is an open-source Python library that is able to compute the main Fourier analyses techniques, comprising not only power and cross-spectral analyses, but also supporting data handling of the main X-ray missions.

In this brief talk, I will illustrate how Stingray is able to perform advanced techniques just with a few lines of code, effectively easing the learning curve for young researchers and accelerating the analysis process for experienced astronomers.

Contribution

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