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## SourceXtractor++

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I will present SourceXtractor++, a new open-source code for detecting and measuring sources in astronomical images. SourceXtractor++ is a complete redesign of the original SExtractor software in C++. Thanks to a modular design, custom features can easily be implemented. Source analysis is carried out simultaneously over a large number of FITS frames with different pixel grids, by taking advantage of WCS header information. I will focus on the multi-channel, multi-epoch, multi-object model-fitting module, which is extensively configurable using Python constructs to address a vast range of astrophysical problems. While SourceXtractor++ is being developed in the context of the Euclid satellite projects, it is distributed as an independent package. An early version of the package is available for testing purposes.

**Auteur principal:** BERTIN, Emmanuel (IAP)

**Orateur:** BERTIN, Emmanuel (IAP)

**Classification de Session:** Exposes