



Astropy

Enabling software tools and infrastructure to facilitate research by professional astronomers.

Maintenance of a core Python package while supporting the development of high-grade affiliated packages by members of the astronomical community.

For more information on Astropy, including our governance structure and project roadmap, please visit

<https://astropy.org/>

APPLICATIONS

Representation and conversion of physical units and constants

Astronomical coordinate representations and transformations

Flexible and extensible framework for evaluating and fitting physical models to data

Data tables with support for physical units, astronomical times, and coordinates

Tools for standard photometric and spectroscopic data analysis

PLANNED FEATURES

- + Support for end-to-end spectroscopic data reduction
- + Learn Astropy Example Gallery with filter keywords for improving search capabilities of the core Astropy documentation

PROJECT NEEDS

Outreach stipends for underrepresented groups to work on Astropy	10,000 per stipend
Finish work regions subpackage and merge into Astropy code	20,000
Partner with an organization to conduct a boot camp for development outside the US	20,000 and logistical support (e.g. a conference room in the country of the workshops, travel arrangements)



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For more information:
info@numfocus.org | +1 (512) 831-2870