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The Astropy Project: xx and status of the v5.0 core package

ASTROPY COLLABORATION

Submitted to ApJ

ABSTRACT

To be written...



Keywords: Astrophysics - Instrumentation and Methods for Astrophysics — methods: data analysis — methods: miscellaneous

1. INTRODUCTION

To be written...

2. PLACEHOLDER

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The author list has two parts: the authors that made significant contributions to the writing of the paper in order of contribution, followed by contributors to the Astropy Project in alphabetical order. **The position in the author list does not correspond to contributions to the Astropy Project as a whole.** A more complete list of contributors to the core package can be found in the [package repository](#), and at the [Astropy team webpage](#).

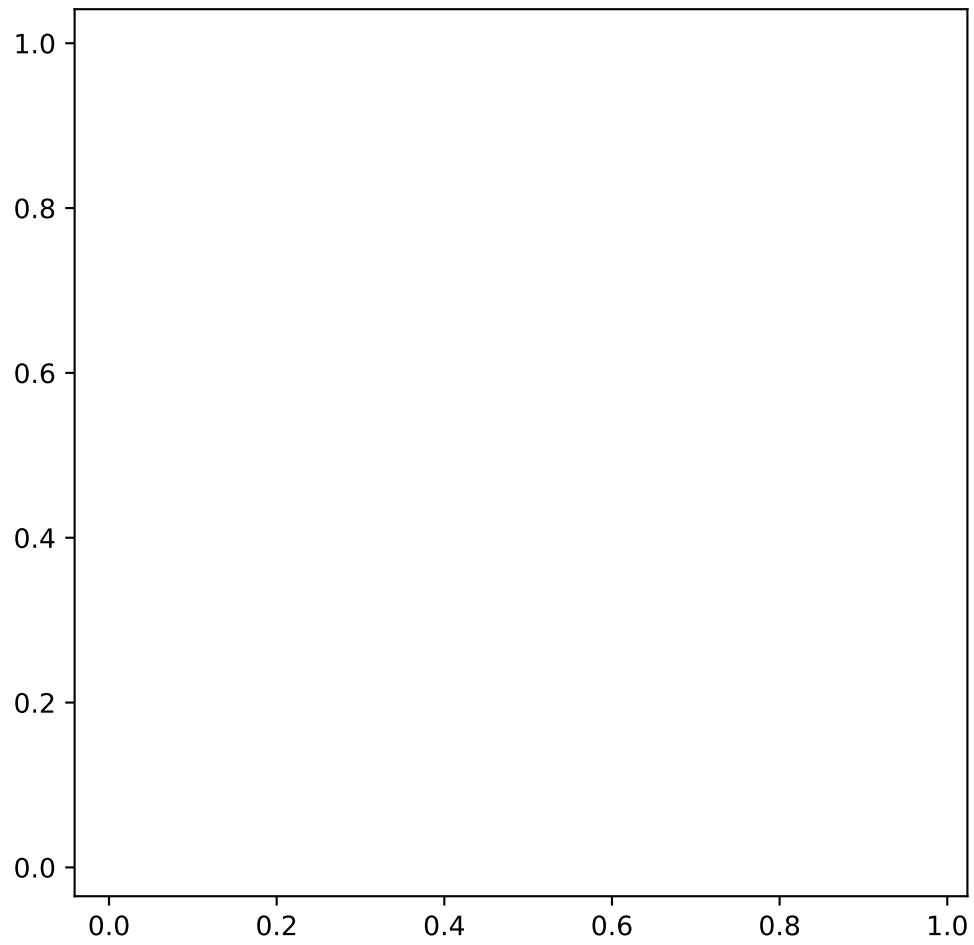


Figure 1. Placeholder figure!



1 We would like to thank the members of the community that have contributed to
 2 Astropy, that have opened issues and provided feedback, and have supported the
 3 project in a number of different ways.

4 The Astropy community is supported by and makes use of a number of organiza-
 5 tions and services outside the traditional academic community. We thank Google
 6 for financing and organizing the Google Summer of Code (GSoC) program, that
 7 has funded several students per year to work on Astropy related projects over the
 8 summer. These students often turn into long-term contributors. We also thank
 9 NumFOCUS and the Python Software Foundation for financial support. Within the
 10 academic community, we thank institutions that make it possible that astronomers
 11 and other developers on their staff can contribute their time to the development of
 12 Astropy projects. We would like acknowledge the support of the Space Telescope Sci-
 13 ence Institute, HarvardSmithsonian Center for Astrophysics, and the South African
 14 Astronomical Observatory.

15 Furthermore, the Astropy packages would not exist in their current form without a
 16 number of web services for code hosting, continuous integration, and documentation;
 17 in particular, Astropy heavily relies on GitHub, Travis CI, Appveyor, CircleCI, and
 18 Read the Docs.

19 `astropy` interfaces with the SIMBAD database, operated at CDS, Strasbourg,
 20 France. It also makes use of the ERFA library (?), which in turn derives from the
 21 IAU SOFA Collection¹ developed by the International Astronomical Union Standards
 22 of Fundamental Astronomy (?).

Software: `astropy` (?), `numpy` (?), `scipy` (?), `matplotlib` (?), `Cython` (?), `SOFA`
 (?), `ERFA` (?)

REFERENCES