

Contributing to




astropy core package

We always welcome new contributors!

You don't have to contribute code:

documentation changes / clarification, tutorials,
bug reports — talk to us if interested!

code contributions,
review, management
done on GitHub:



This repository


Search


Pull requests


Issues


Marketplace

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 **astropy** / **astropy**

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780

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Issues735

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Insights

Repository for the Astropy core package <http://www.astropy.org>

python

astronomy

science

20,724 commits

11 branches

62 releases

220 contributors

BSD-3-Clause

Branch: master


New pull request
















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 **bsipocz** Merge pull request #6901 from mnhvk/time-column-sandwich-changelog-change ... Latest commit 5dec6bb 2 hours ago

 astropy	Merge pull request #6823 from mnhvk/time-allow-column-unicode-sandwich	2 days ago
 astropy_helpers @ d23a53f	Update astropy-helpers to v2.0.2	2 months ago
 cextern	Ensure only required files are kept.	3 months ago
 docs	Merge pull request #6890 from astrofrog/install-to-test	5 days ago
 examples	Fix more permanently redirected URLs	a month ago
 licenses	Update README.rst	8 months ago
 static	Fixed support on Python 3, and got rid of .astropy-root per astropy/a...	3 years ago
 .astropy-root	Don't rely on .git to enable auto-build when importing from source tr...	2 years ago
 .gitattributes	Use union merge for changelog	3 years ago
 .gitignore	Ignore lastfailed (direct pytest invocation) file [skip ci]	a month ago
 .gitmodules	Make use of astropy affiliated package infrastructure	4 years ago
 .mailmap	update credits	5 months ago
 .rtd-environment.yml	Include pytest as RTD dependency	18 days ago
 .run_docker_tests.sh	CI: don't install pytest-astropy manually	5 days ago
 .travis.yml	CI: don't install pytest-astropy manually	5 days ago

bugs

feature requests

some specific questions

<> Code

🔔 Issues 735

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📈 Insights

Filters ▾

🔍 is:issue is:open

Labels

Milestones

New issue

<input type="checkbox"/>	🔔 735 Open ✓ 1,887 Closed	Author ▾	Labels ▾	Projects ▾	Milestones ▾	Assignee ▾	Sort ▾
<input type="checkbox"/>	🔔 Fails to create large bintable #6900 opened 13 hours ago by Acrisel		Docs Effort-low io.fits				💬 4
<input type="checkbox"/>	🔔 Logarithmic quantities should support some ufuncs #6897 opened 2 days ago by mhvk		Bug units				
<input type="checkbox"/>	🔔 Changes to integer column values with bzero set in opened fits tables are not written back to file #6887 opened 6 days ago by kgabor		Affects-release Bug io.fits table				
<input type="checkbox"/>	🔔 HTML download of docs yields very old version #6886 opened 6 days ago by bwinkel		Docs				💬 1
<input type="checkbox"/>	🔔 Respect tied values in model parameters should be respected #6881 opened 6 days ago by mhvk		Feature Request modeling				
<input type="checkbox"/>	🔔 Bayesian Blocks type error #6877 opened 7 days ago by ebouff		Bug stats				💬 2
<input type="checkbox"/>	🔔 instructions for updating from Astropy 1.x to Astropy 2.x in Anaconda #6874 opened 9 days ago by richardgmcMahon		Docs installation				💬 4
<input type="checkbox"/>	🔔 Start checking for component name-frame attribute overlaps at frame class creation #6870 opened 10 days ago by eteq		coordinates				💬 1

Physical types in units could be improved #6864

Edit

New issue

🔔 Open

adrn opened this issue 11 days ago · 2 comments



adrn commented 11 days ago

Member



For other contexts (specifically in `astropy.coordinates`, where we the `Unit*` representation and differential classes), it would be useful to have a concept of `dimensional_unscaled` units (compare to `dimensionless_unscaled`). But it occurred to us that this is actually a physical type! It may be that we want to make the physical types in `astropy.units` into objects themselves that behave like dimensional but unscaled units that cancel and combine properly.

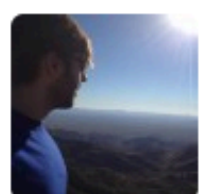
cc @mhvk



adrn added `Effort-medium` `Package-expert` `units` labels 11 days ago



adrn added this to the **Future** milestone 11 days ago



adrn commented 11 days ago

Member



Assignees



No one—assign yourself

Labels



Effort-medium

Package-expert

units

Projects



None yet

Milestone



Future

Notifications

contributed code

bug fixes

documentation edits

Add a way to update the position of a source given its proper motion, radial velocity and a new time or time difference #6872

Edit

Open

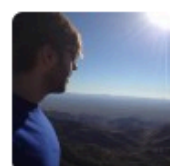
adrn wants to merge 4 commits into astropy:master from adrn:coordinates/evolve

Conversation 7

Commits 4

Files changed 2

+104 -5



adrn commented 10 days ago

Member



This implements what is sometimes called an "epoch transformation": you observe a source on some date, but if it has a large proper motion, it will have moved when going back to observe it later. This currently assumes that the motion is linear, and that if a velocity component is not specified, that it is 0 (this is a hard assumption, so we need to be up front about this in the documentation!).

Note that this requires SkyCoord to support velocity data, so this includes a commit by @eteq who is working on making that possible. This probably has to wait until his PR is merged to write good tests, but creating this just to get discussion started and so I remember the branch exists :)

This needs:

- ☐ Real tests
- ☐ Documentation
- ☐ Need to preserve the frame attributes in the new method...
- ☐ An audit of the method name (we originally thought of evolve_to, but think that's not quite right). @mhvk settled on move_to, but I'm not quite sold on that either...

Reviewers



mhvk



Assignees



No one—assign yourself

Labels



coordinates

Work in progress

Projects



None yet

Milestone



Conversation 50

Commits 23

Files changed 6

Changes from all commits ▾ Jump to... ▾ +232 -5

Unified

Split

Review changes ▾

5 CHANGES.rst

Show comments

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View

View

View

▾



@@ -29,14 +29,17 @@ astropy.coordinates

29 29 a ``CartesianDifferential``, the 2D proper motion as a ``Quantity``, and the
30 30 radial or line-of-sight velocity as a ``Quantity``. [#6869]
31 31

32 -- SkyCoord objects now support storing and tranforming differentials - i.e.,
32 +- ``SkyCoord`` objects now support storing and tranforming differentials - i.e.,

Write

Preview

AA B i

“ <> ↻

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↶ @ ★

Your comments here

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ML Styling with Markdown is supported

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Start a review

33 33 both radial velocities and proper motions. [#6944]
34 34
35 35 - All frame classes now automatically get sensible representation mappings for
36 36 velocity components. For example, ``d_x``, ``d_y``, ``d_z`` are all
37 37 automatically mapped to frame component namse ``v_x``, ``v_y``, ``v_z``.
38 38 [#6856]
39 39



mhvk reviewed 18 days ago

[View changes](#)

astropy/io/fits/fitstime.py

```
...    @@ -362,6 +362,10 @@ def _convert_time_column(col, column_info):
362    362                # [+-C]CCYY-MM-DD[Thh:mm:ss[.s...]] where the number of chara
363    363                # from index 20 to the end of string represents the precision
364    364                precision = max(int(col.info.dtype.str[2:]) - 20, 0)
365    +                if col.info.dtype.kind == 'S':
```



mhvk 18 days ago Member

I'd not be against solving this on the `Time` side - @taldcroft - what do you think? It would not be difficult (but definitely in another PR).



mhvk 18 days ago Member

Actually, `col` here is an astropy `Column`, which should sandwich the bytes already, so I think that this doesn't work automatically is a buglet.



mhvk 18 days ago Member

See [#6823](#) for a fix. I think it is fairly trivial, so perhaps we can merge it before this PR, so that this change no longer is necessary.



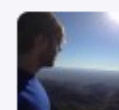
astrofrog 18 days ago Owner

@mhvk - sounds good!



taldcroft 4 hours ago Owner

[#6823](#) is merged now.



Reply...



Review required

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At least one approved review is required by reviewers with write access. [Learn more.](#)



Some checks were not successful

[Hide all checks](#)

1 failing and 4 successful checks



astropy-bot — There were failures in checks - see comments by @astropy-b...

[Details](#)



ci/circleci — Your tests passed on CircleCI!

[Details](#)



continuous-integration/appveyor/pr — AppVeyor build succeeded

[Details](#)



continuous-integration/travis-ci/pr — The Travis CI build passed

[Details](#)



coverage/coveralls — Coverage increased (+0.002%) to 84.889%

[Details](#)



Merging is blocked

Merging can be performed automatically with one approved review.

astropy affiliated packages

Astronomy Python packages that are not part of the **Astropy core package** but have requested to be a part of the **Astropy project**

Agree to good coding standards (testing, documentation),
reduce duplication, open development

Use **astropy** when possible to improve interoperability

affiliated.astropy.org

General Rules of Thumb

Check the **issues** and **affiliated packages** page before proceeding

You may be duplicating some one else's work

Adhere to PEP-8 and similar **best coding practices**

i.e., Make your code readable!

Work in a branch (of your own fork) with an informative name

Submit pull requests from that branch

Leave files that cannot be "diffed" (e.g., fits, png, pdf) **out** of the repo

If they are absolutely necessary, use download or talk to an Astropy lead

Clear all outputs on jupyter notebooks (.ipynb) before any commit

This allows them to be "diffed"

If you forget, use git rebase to clear up the git history