

should we share
software?

~~should we share
software?~~

how do we share
software?



*Put it on GitHub
with a (liberal)
license.*



This repository

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snfactory / cubefit

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Settings

Fit supernova + galaxy model on a SNFactory spectral data cube — Edit

236 commits

1 branch

7 releases

2 contributors

Branch: master

New pull request

New file

Upload files

Find file

SSH

git@github.com:snfactory/



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kbarbary change masking for numpy 1.10 deprecation warning

Latest commit 8a53fb1 on Feb 11

cubefit	change masking for numpy 1.10 deprecation warning	2 months ago
docs	implement analytic gradient in last fitting step	6 months ago
scripts	stop using console_scripts. enable setup.py test.	4 months ago
testset	bump version of configuration files in testset	4 months ago
.gitignore	fix install bug in setup.py	4 months ago
CHANGES.md	bump cubefit version, document changes	4 months ago
LICENSE.md	add docs & license	2 years ago
README.md	better & more accurate documentation in README	4 months ago

how do we
collaborate on
software?

harder than it looks

- 1 Differing requirements
- 2 No “correct” method in some areas
- 3 Requirement on specialized expertise
- 4 Easy to overdesign
- 5 Often have *very* specific requirements

top down
doesn't work*

* for most things

Write (small) usable packages

- 1 Look around for existing software
- 2 maximally modular
- 3 library (not just executable)
- 4 Docs, testing, dependencies & install
- 5 Communicate!

share

communicate

look for overlap

What's *missing* (in Python)?

- 1 PSF model library
- 2 SCAMP-like library
- 3 SWARP-like library (but see “reproject”)