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# **whoseline Documentation**

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This is the documentation for packagename.



**Part I**

**whoseline Documentation**





This is the documentation for whoseline.



## 1.1 whoseline Package

### 1.1.1 Functions

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<code>query(source, wavelength_min, wavelength_max)</code>	Query table for values
<code>test([package, test_path, args, plugins, ...])</code>	Run the tests using <code>py.test</code> .

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#### query

`whoseline.query(source, wavelength_min, wavelength_max)`  
Query table for values

**Parameters**

**source** : str

**wavelength\_min** : Quantity

**wavelength\_max** : Quantity

**Returns**

**linelist** : `LineList` object

#### test

`whoseline.test(package=None, test_path=None, args=None, plugins=None, verbose=False, paste-bin=None, remote_data=False, pep8=False, pdb=False, coverage=False, open_files=False, **kwargs)`

Run the tests using `py.test`. A proper set of arguments is constructed and passed to `pytest.main`.

**Parameters**

**package** : str, optional

The name of a specific package to test, e.g. 'io.fits' or 'utils'. If nothing is specified all default tests are run.

**test\_path** : str, optional

Specify location to test by path. May be a single file or directory. Must be specified absolutely or relative to the calling directory.

**args** : str, optional

Additional arguments to be passed to `pytest.main` in the `args` keyword argument.

**plugins** : list, optional

Plugins to be passed to `pytest.main` in the `plugins` keyword argument.

**verbose** : bool, optional

Convenience option to turn on verbose output from `py.test`. Passing True is the same as specifying '-v' in args.

**pastebin** : {'failed', 'all', None}, optional

Convenience option for turning on `py.test` pastebin output. Set to 'failed' to upload info for failed tests, or 'all' to upload info for all tests.

**remote\_data** : bool, optional

Controls whether to run tests marked with `@remote_data`. These tests use online data and are not run by default. Set to True to run these tests.

**pep8** : bool, optional

Turn on PEP8 checking via the `pytest-pep8` plugin and disable normal tests. Same as specifying '--pep8 -k pep8' in args.

**pdb** : bool, optional

Turn on PDB post-mortem analysis for failing tests. Same as specifying '--pdb' in args.

**coverage** : bool, optional

Generate a test coverage report. The result will be placed in the directory `htmlcov`.

**open\_files** : bool, optional

Fail when any tests leave files open. Off by default, because this adds extra run time to the test suite. Requires the `psutil` package.

**parallel** : int, optional

When provided, run the tests in parallel on the specified number of CPUs. If parallel is negative, it will use the all the cores on the machine. Requires the `pytest-xdist` plugin installed. Only available when using Astropy 0.3 or later.

**kwargs**

Any additional keywords passed into this function will be passed on to the astropy test runner. This allows use of test-related functionality implemented in later versions of astropy without explicitly updating the package template.

## 1.1.2 Classes

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`LineList(wavelength, species, priority)`

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LineList table object

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## LineList

**class** whoseline.**LineList**(*wavelength, species, priority*)

Bases: `object`

LineList table object

### Parameters

**wavelength** : `Quantity`

**species** : `ndarray`

**priority** : `ndarray`

### Methods Summary

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`LineList.from_mock`

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### Methods Documentation

## 1.1.3 Class Inheritance Diagram

LineList

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**Note:** The layout of this directory is simply a suggestion. To follow traditional practice, do *not* edit this page, but instead place all documentation for the package inside `packagename/`. You can follow this practice or choose your own layout.

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