
tree Documentation

Release 2.15.2

Brian Cherinka

Dec 02, 2017

Contents

1	Reference	3
2	Indices and tables	5
	Python Module Index	7

Welcome to tree's documentation!

This is the Sphinx documentation for the Python product tree

- What's new in tree?
- intro

1.1 tree Reference

1.1.1 Tree

class `tree.tree.Tree` (*args, **kwargs)

Bases: `object`

Initialize the sdss tree object

This class provides Python programmatic access to the SDSS tree environment structure

Parameters

- **key** (*str/list*) – A section or list of sections of the tree to add into the local environment
- **uproot_with** (*str*) – A new TREE_DIR path used to override an existing TREE_DIR environment variable

Variables

- **treedir** (*str*) – The directory of the tree
- **environ** (*dict*) – The fully loaded SDSS config file

addPathsToOS (*key=None*)

Add the paths in tree environ into the os environ

This code goes through the tree environ and checks for existence in the os environ, then adds them

Parameters **key** (*str*) – The section name to check against / add

branchOut (*limb=None*)

Set the individual section branches

This adds the various sections of the config file into the tree environment for access later. Optically can specify a specific branch.

Parameters **branch** (*str/list*) – The name of the section of the config to add into the environ or a list of strings

checkPaths (*paths*)

Check if the path is in the os environ, and if not add it

Parameters:

paths (**OrderedDict**): An ordered dict containing all of the paths from the a given section, as key:val = name:path

getPaths (*key*)

Retrieve a set of environment paths from the config

Parameters **key** (*str*) – The section name to grab from the environment

Returns *self.environ[newkey]* (**OrderedDict**) – An ordered dict containing all of the paths from the specified section, as key:val = name:path

loadConfig ()

loads the sdsswork config file

setRoots (*uproot_with=None*)

Set the roots of the tree in the os environment

Parameters **uproot_with** (*str*) – A new TREE_DIR path used to override an existing TREE_DIR environment variable

CHAPTER 2

Indices and tables

- `genindex`
- `modindex`

t

`tree.tree`, 3

A

`addPathsToOS()` (`tree.tree.Tree` method), 3

B

`branchOut()` (`tree.tree.Tree` method), 3

C

`checkPaths()` (`tree.tree.Tree` method), 4

G

`getPaths()` (`tree.tree.Tree` method), 4

L

`loadConfig()` (`tree.tree.Tree` method), 4

S

`setRoots()` (`tree.tree.Tree` method), 4

T

`Tree` (class in `tree.tree`), 3

`tree.tree` (module), 3