

```
$ python setup.py test
```

```
running test
```

```
Searching for nose
```

```
Best match: nose 1.3.7
```

```
Processing nose-1.3.7-py3.7.egg
```

```
Using c:\users\ngri_gvt_001\pynoddy\eggs\nose-1.3.7-py3.7.egg
```

```
running egg_info
```

```
writing pynoddy.egg-info\PKG-INFO
```

```
writing dependency_links to pynoddy.egg-info\dependency_links.txt
```

```
writing requirements to pynoddy.egg-info\requires.txt
```

```
writing top-level names to pynoddy.egg-info\top_level.txt
```

```
C:\Users\NGRI_GVT_001\AppData\Local\Programs\Python\Python37\lib\site-packages\setuptools\dist.py:474: UserWarning: Normalizing '1.01' to '1.1'
```

```
  normalized version,
```

```
file pynoddy\experiment.py (for module pynoddy.experiment) not found
```

```
file pynoddy\experiment\util.py (for module pynoddy.experiment.util) not found
```

```
reading manifest file 'pynoddy.egg-info\SOURCES.txt'
```

```
reading manifest template 'MANIFEST.in'
```

```
warning: no files found matching '*.g??' under directory 'examples'
```

```
writing manifest file 'pynoddy.egg-info\SOURCES.txt'
```

```
running build_ext
```

```
test_compute_model (test.TestHistory) ... ERROR
```

```
test_load_his (test.test_history.TestHistory) ...
```

```
C:\Users\NGRI_GVT_001\pynoddy\pynoddy\history.py:261: ResourceWarning: unclosed file
```

```
<_io.TextIOWrapper
```

```
name='C:\\Users\\NGRI_GVT_001\\pynoddy\\test\\../examples/simple_two_faults.his' mode='r' encoding='cp1252'>
```

```
  self.history_lines = open(history, 'r').readlines()
```

```
ResourceWarning: Enable tracemalloc to get the object allocation traceback
```

```
ok
```

```
test_load_output (test.test_output.TestOutput) ...
```

```
C:\Users\NGRI_GVT_001\pynoddy\pynoddy\output.py:113: ResourceWarning: unclosed file
```

```
<_io.TextIOWrapper
```

```
name='C:\\Users\\NGRI_GVT_001\\pynoddy\\test\\../test/simple_two_faults_out.g00' mode='r' encoding='cp1252'>
```

```
  filelines = open(self.basename + ".g00").readlines()
```

```
ResourceWarning: Enable tracemalloc to get the object allocation traceback
```

```
C:\Users\NGRI_GVT_001\pynoddy\test\test_output.py:19: DeprecationWarning: Please use
```

```
assertEqual instead.
```

```
  assert_equals(out_shape, (124, 94, 50))
```

```
ok
```

```
=====
ERROR: test_compute_model (test.TestHistory)
-----
```

```
Traceback (most recent call last):
```

```
File "C:\Users\NGRI_GVT_001\pynoddy\test\__init__.py", line 15, in test_compute_model
  return_val = pynoddy.compute_model(history, output_name)
```

```
File "C:\Users\NGRI_GVT_001\pynoddy\pynoddy\__init__.py", line 110, in compute_model
  shell=False, stdout=subprocess.PIPE)
```

```
File "C:\Users\NGRI_GVT_001\AppData\Local\Programs\Python\Python37\lib\subprocess.py", line 488, in run
```

```
  with Popen(*popenargs, **kwargs) as process:
```

```
File "C:\Users\NGRI_GVT_001\AppData\Local\Programs\Python\Python37\lib\subprocess.py", line 800, in __init__
```

```
  restore_signals, start_new_session)
```

```
File "C:\Users\NGRI_GVT_001\AppData\Local\Programs\Python\Python37\lib\subprocess.py", line 1207, in _execute_child
  startupinfo)
```

```
OSError: [WinError 193] %1 is not a valid Win32 application
----- >> begin captured logging << -----
```

```
matplotlib: DEBUG: (private) matplotlib data path:
```

```
C:\Users\NGRI_GVT_001\AppData\Local\Programs\Python\Python37\lib\site-packages\matplotlib\mpl-data
```

```
matplotlib: DEBUG: matplotlib data path:
```

```
C:\Users\NGRI_GVT_001\AppData\Local\Programs\Python\Python37\lib\site-packages\matplotlib\mpl-data
```

```
matplotlib: DEBUG: CONFIGDIR=C:\Users\NGRI_GVT_001\.matplotlib
```

```
matplotlib: DEBUG: matplotlib version 3.3.3
```

```

matplotlib: DEBUG: interactive is False
matplotlib: DEBUG: platform is win32
matplotlib: DEBUG: loaded modules: ['sys', 'builtins', '_frozen_importlib', '_imp',
'_thread', '_warnings', '_weakref', 'zipimport', '_frozen_importlib_external', '_io',
'marshal', 'nt', 'winreg', 'encodings', 'codecs', '_codecs', 'encodings.aliases',
'encodings.utf_8', '_signal', '__main__', 'encodings.latin_1', 'io', 'abc', '_abc',
'_bootlocale', '_locale', 'encodings.cpl1252', 'site', 'os', 'stat', '_stat',
'_collections_abc', 'ntpath', 'genericpath', 'os.path', '_sitebuiltins', 'types',
'importlib', 'importlib.bootstrap', 'importlib.bootstrap_external', 'warnings',
'importlib.util', 'importlib.abc', 'importlib.machinery', 'contextlib', 'collections',
'operator', '_operator', 'keyword', 'heapq', '_heapq', 'itertools', 'reprlib',
'_collections', 'functools', '_functools', 'google', 'pywin32_bootstrap',
'pywin32_system32', 'mpl_toolkits', 'setuptools', 'distutils', 'distutils.core',
'distutils.debug', 'distutils.errors', 'distutils.dist', 're', 'enum', 'sre_compile',
'_sre', 'sre_parse', 'sre_constants', 'copyreg', 'email', 'distutils.fancy_getopt',
'string', '_string', 'getopt', 'gettext', 'locale', 'distutils.util', 'distutils.dep_util',
'distutils.spawn', 'distutils.log', 'distutils.cmd', 'distutils.dir_util', 'errno',
'distutils.file_util', 'distutils.archive_util', 'zipfile', 'time', 'shutil', 'fnmatch',
'posixpath', 'zlib', 'bz2', '_compression', 'threading', 'traceback', 'linecache',
'tokenize', 'token', '_weakrefset', '_bz2', 'lzma', '_lzma', 'struct', '_struct',
'binascii', 'distutils.config', 'configparser', 'collections.abc', 'distutils.extension',
'distutils.filelist', 'setuptools.deprecation_warning', 'setuptools.extern',
'setuptools.vendor', '_future_', 'setuptools.extern.six', 'setuptools.vendor.six',
'setuptools.extern.six.moves', 'setuptools.version', 'pkg_resources', 'pkgutil', 'weakref',
'platform', 'subprocess', 'signal', 'msvcrt', '_winapi', 'plistlib', 'datetime', 'math',
'_datetime', 'xml', 'xml.parsers', 'xml.parsers.expat', 'pyexpat.errors', 'pyexpat.model',
'pyexpat', 'xml.parsers.expat.model', 'xml.parsers.expat.errors', 'email.parser',
'email.feedparser', 'email.errors', 'email.policybase', 'email.header', 'email.quoprimime',
'email.base64mime', 'base64', 'email.charset', 'email.encoders', 'quopri', 'email.utils',
'random', 'hashlib', '_hashlib', '_blake2', '_sha3', 'bisect', '_bisect', '_random',
'socket', '_socket', 'selectors', 'select', 'urllib', 'urllib.parse', 'email._parseaddr',
'calendar', 'tempfile', 'textwrap', 'inspect', 'dis', 'opcode', '_opcode',
'pkg_resources.extern', 'pkg_resources.vendor', 'pkg_resources.extern.six',
'pkg_resources.vendor.six', 'pkg_resources.extern.six.moves',
'pkg_resources.vendor.six.moves', 'pkg_resources.py31compat', 'win32com', 'win32api',
'pythoncom', 'pywintypes', '_win32sysloader', 'win32com.gen_py', 'win32com.shell',
'pkg_resources.extern.appdirs', 'pkg_resources.vendor.packaging.__about__',
'pkg_resources.extern.packaging', 'pkg_resources.extern.packaging.version',
'pkg_resources.extern.packaging_structures', 'pkg_resources.extern.packaging.specifiers',
'pkg_resources.extern.packaging_compat', 'pkg_resources.extern.packaging.requirements',
'copy', 'pprint', 'pkg_resources.extern.pyparsing', 'pkg_resources.extern.six.moves.urllib',
'pkg_resources.extern.packaging.markers', 'sysconfig', 'setuptools.extension',
'setuptools.monkey', 'setuptools.dist', 'numbers', 'distutils.version',
'setuptools.vendor.packaging.__about__', 'setuptools.extern.packaging',
'setuptools.depends', 'imp', 'setuptools.py33compat', 'array', 'html', 'html.entities',
'html.parser', '_markupbase', 'setuptools.windows_support', 'ctypes', '_ctypes',
'ctypes._endian', 'setuptools.config', 'setuptools.extern.packaging.version',
'setuptools.extern.packaging_structures', 'setuptools.extern.packaging.specifiers',
'setuptools.extern.packaging_compat', 'setuptools.msvc', 'distutils.msvc9compiler',
'distutils.ccompiler', 'distutils.msvccompiler', 'email.message', 'uu',
'email._encoded_words', 'email.iterators', 'setuptools.vendor.six.moves',
'setuptools.extern.six.moves.configparser', 'setuptools.command', 'distutils.command',
'distutils.command.bdist', 'setuptools.command.install_scripts',
'distutils.command.install_scripts', 'setuptools.command.test', 'unittest',
'unittest.result', 'unittest.util', 'unittest.case', 'difflib', 'logging', 'atexit',
'unittest.suite', 'unittest.loader', 'unittest.main', 'argparse', 'unittest.runner',
'unittest.signals', 'setuptools.command.build_py', 'glob', 'distutils.command.build_py',
'setuptools.lib2to3_ex', 'lib2to3', 'lib2to3.refactor', 'lib2to3.pgen2',
'lib2to3.pgen2.driver', 'lib2to3.pgen2.grammar', 'pickle', '_compat_pickle', '_pickle',
'lib2to3.pgen2.token', 'lib2to3.pgen2.parse', 'lib2to3.pgen2.tokenize',
'lib2to3.pgen2.pgen', 'lib2to3.fixer_util', 'lib2to3.pytree', 'lib2to3.pygram',
'lib2to3.patcomp', 'lib2to3.pgen2.literals', 'lib2to3.btm_matcher', 'lib2to3.btm_utils',
'setuptools.command.easy_install', 'distutils.command.install', 'distutils.sysconfig',
'distutils.command.build_scripts', 'shlex', 'setuptools.sandbox', 'setuptools.py27compat',
'setuptools.command.setopt', 'setuptools.archive_util', 'tarfile',
'setuptools.package_index', 'setuptools.vendor.six.moves.urllib', 'http', 'http.client',
'ssl', '_ssl', 'setuptools.ssl_support', 'urllib.request', 'urllib.error',
'urllib.response', 'nturl2path', 'setuptools.wheel', 'setuptools.extern.packaging.utils',
'setuptools.pep425tags', 'setuptools.glibc', 'setuptools.command.egg_info',
'setuptools.command.sdist', 'distutils.command.sdist', 'distutils.text_file',
'setuptools.command.py36compat', 'setuptools.command.bdist_egg', 'setuptools.unicode_utils',

```

```
'unicodedata', 'setuptools.glob', 'setuptools.command.install', 'distutils.command.build',
'setuptools.command.install_lib', 'distutils.command.install_lib', 'certifi',
'certifi.core', 'importlib.resources', 'pathlib', 'typing', 'typing.io', 'typing.re',
'setuptools.command.build_ext', 'distutils.command.build_ext', 'nose', 'nose.core',
'nose.config', 'optparse', 'nose.util', 'nose.pyversion', 'nose.plugins',
'nose.plugins.base', 'nose.plugins.manager', 'nose.failure', 'nose.plugins.plugintest',
'multiprocessing', 'multiprocessing.context', 'multiprocessing.process',
'multiprocessing.reduction', '__mp_main__', 'nose.loader', 'nose.case', 'nose.importer',
'nose.selector', 'nose.suite', 'nose.proxy', 'nose.result', 'nose.exc', 'nose.plugins.skip',
'nose.plugins.errorclass', 'nose.plugins.deprecated', 'nose.tools', 'nose.tools.nontrivial',
'nose.tools.trivial', 'nose.plugins.builtin', 'nose.plugins.attrib', 'nose.plugins.capture',
'nose.plugins.logcapture', 'nose.plugins.cover', 'nose.plugins.debug', 'pdb', 'cmd', 'bdb',
'code', 'codeop', 'nose.plugins.doctests', 'doctest', 'nose.plugins.isolate',
'nose.plugins.failedetail', 'nose.inspector', 'nose.plugins.prof', 'nose.plugins.testid',
'nose.plugins.multiprocess', 'queue', '_queue', 'nose.plugins.xunit', 'xml.sax',
'xml.sax.xmlreader', 'xml.sax.handler', 'xml.sax._exceptions', 'xml.sax.saxutils',
'nose.plugins.allmodules', 'nose.plugins.collect', 'pynoddy', 'pynoddy.experiment', 'numpy',
'numpy._globals', 'numpy.__config__', 'numpy.version', 'numpy._distributor_init',
'numpy.core', 'numpy.core.multiarray', 'numpy.core.overrides',
'numpy.core._multiarray_umath', 'numpy.compat', 'numpy.compat._inspect',
'numpy.compat.py3k', 'numpy.core.umath', 'numpy.core.numerictypes',
'numpy.core._string_helpers', 'numpy.core._type_aliases', 'numpy.core._dtype',
'numpy.core._numeric', 'numpy.core.shape_base', 'numpy.core._asarray',
'numpy.core.fromnumeric', 'numpy.core._methods', 'numpy.core._exceptions',
'numpy.core._ufunc_config', 'numpy.core.arrayprint', 'numpy.core.defchararray',
'numpy.core.records', 'numpy.core.memmap', 'numpy.core.function_base', 'numpy.core.machar',
'numpy.core.getlimits', 'numpy.core.einsumfunc', 'numpy.core._add_newdocs',
'numpy.core._multiarray_tests', 'numpy.core._dtype_ctypes', 'numpy.core._internal', 'ast',
'_ast', 'numpy._pytesttester', 'numpy.lib', 'numpy.lib.mixins', 'numpy.lib.scimath',
'numpy.lib.type_check', 'numpy.lib.ufunclike', 'numpy.lib.index_tricks', 'numpy.matrixlib',
'numpy.matrixlib.defmatrix', 'numpy.linalg', 'numpy.linalg.linalg', 'numpy.lib.twodim_base',
'numpy.linalg.lapack_lite', 'numpy.linalg._umath_linalg', 'numpy.lib.function_base',
'numpy.lib.histograms', 'numpy.lib.stride_tricks', 'numpy.lib.nanfunctions',
'numpy.lib.shape_base', 'numpy.lib.polynomial', 'numpy.lib.utils', 'numpy.lib.arraysetops',
'numpy.lib.npyio', 'numpy.lib.format', 'numpy.lib.datasources', 'numpy.lib.iotools',
'numpy.lib.financial', 'decimal', '_decimal', 'numpy.lib.arrayiterator',
'numpy.lib.arraypad', 'numpy.lib._version', 'numpy.fft', 'numpy.fft._pocketfft',
'numpy.fft._pocketfft_internal', 'numpy.fft.helper', 'numpy.polynomial',
'numpy.polynomial.polynomial', 'numpy.polynomial.polyutils', 'numpy.polynomial._polybase',
'numpy.polynomial.chebyshev', 'numpy.polynomial.legendre', 'numpy.polynomial.hermite',
'numpy.polynomial.hermite_e', 'numpy.polynomial.laguerre', 'numpy.random',
'numpy.random.pickle', 'numpy.random.mtrand', 'cython_runtime',
'numpy.random.bit_generator', '_cython_0_29_21', 'numpy.random._common', 'secrets', 'hmac',
'numpy.random._bounded_integers', 'numpy.random.mt19937', 'numpy.random._philox',
'numpy.random._pcg64', 'numpy.random._sfc64', 'numpy.random._generator', 'numpy.ctypeslib',
'numpy.ma', 'numpy.ma.core', 'numpy.ma.extras', 'matplotlib', 'matplotlib.cbook', 'gzip',
'matplotlib.cbook.deprecation', 'matplotlib.rcsetup', 'matplotlib.animation', 'uuid',
'matplotlib._animation_data', 'matplotlib.fontconfig_pattern', 'pyparsing',
'matplotlib.colors', 'matplotlib.docstring', 'matplotlib._color_data', 'cyclor', 'six',
'six.moves', 'matplotlib._version', 'json', 'json.decoder', 'json.scanner', '_json',
'json.encoder', 'matplotlib.ft2font', 'dateutil', 'dateutil._version', 'kiwisolver']
matplotlib: DEBUG: CACHEDIR=C:\Users\NGRI_GVT_001\.matplotlib
matplotlib.font_manager: DEBUG: Using fontManager instance from
C:\Users\NGRI_GVT_001\.matplotlib\fontlist-v330.json
matplotlib.pyplot: DEBUG: Loaded backend tkagg version unknown.
matplotlib.pyplot: DEBUG: Loaded backend TkAgg version unknown.
----->> end captured logging <<-----
```

```
-----
Ran 3 tests in 1.257s
```

```
FAILED (errors=1)
```

```
Test failed: <unittest.runner.TextTestResult run=3 errors=1 failures=0>
```

```
error: Test failed: <unittest.runner.TextTestResult run=3 errors=1 failures=0>
```