Summary of lsst Stack

File generated at 07:42PM on June 07, 2015

List of all branches in the software stack

Sorted by date of commit with list of whichrepositories contain the branch. A green repository indicates the branch has been merged with the respective master.

- origin/tickets/DM-2636 [utils]
- origin/master [base ndarray pex_exceptions utils]
- origin/tickets/DM-2435 [base]
- origin/tickets/DM-2642 [ndarray]
- origin/tickets/DM-2635 [utils]
- origin/tickets/DM-2418 [utils]
- origin/tickets/DM-2201 [utils]
- origin/tickets/DM-2379 [ndarray]
- origin/tickets/DM-2389 [utils]
- origin/tickets/DM-2347 [utils]
- origin/tickets/DM-2348 [utils]
- origin/tickets/DM-1802 [ndarray]
- origin/tickets/DM-1086 [utils]
- origin/u/rallsman/DM-868 [ndarray utils]
- origin/release/Summer2014 [base ndarray pex_exceptions utils]
- origin/u/jbosch/DM-827 [pex_exceptions utils]
- origin/release/v9_1_1 [base ndarray pex_exceptions utils]
- origin/tickets/DM-974 [base]
- origin/tickets/DM-711 [base]
- origin/tickets/DM-764 [pex_exceptions utils]
- origin/u/rhl/make_unique [base]
- origin/release/Winter2014 [base ndarray pex_exceptions utils]
- origin/u/mjuric/eupspkg [base ndarray pex_exceptions utils]
- origin/tickets/3148 [base ndarray pex_exceptions utils]
- origin/tickets/3120 [utils]

- [origin/u/jbosch/3081](#) [ndarray]
- [origin/tickets/2965](#) [pex_exceptions]
- [origin/tickets/3054](#) [ndarray]
- [origin/u/price/3054](#) [ndarray]
- [origin/tickets/3055](#) [base]
- [origin/u/jbosch/s13](#) [pex_exceptions]
- [origin/tickets/2832](#) [ndarray]
- [origin/next](#) [base ndarray pex_exceptions utils]
- [origin/tickets/2824](#) [utils]
- [origin/HSC](#) [base ndarray pex_exceptions utils]
- [origin/tickets/2802](#) [utils]
- [origin/tickets/2696](#) [base]
- [origin/tickets/2664](#) [utils]
- [origin/tickets/1894](#) [base]
- [origin/tickets/2475](#) [utils]
- [origin/tickets/2340](#) [base]
- [origin/releases/Summer2012](#) [base ndarray pex_exceptions utils]
- [origin/tickets/2280](#) [base ndarray pex_exceptions utils]
- [origin/tickets/2271](#) [ndarray]
- [origin/tickets/2252](#) [base ndarray pex_exceptions utils]
- [origin/tickets/2121](#) [utils]
- [origin/tickets/1990](#) [ndarray]
- [origin/Winter2012d](#) [base ndarray utils]
- [origin/Winter2012/Release](#) [base ndarray pex_exceptions utils]
- [origin/tickets/1843](#) [ndarray]
- [origin/tickets/1881](#) [utils]
- [origin/Winter2012c](#) [base ndarray pex_exceptions utils]
- [origin/tickets/1866](#) [utils]
- [origin/Winter2012b](#) [base ndarray pex_exceptions utils]
- [origin/Winter2012a](#) [base ndarray pex_exceptions utils]
- [origin/tickets/1814](#) [pex_exceptions]
- [origin/tickets/1780](#) [base ndarray pex_exceptions utils]
- [origin/tickets/4.5.1.0](#) [ndarray]
- [origin/tickets/1752](#) [ndarray]
- [origin/tickets/1749](#) [ndarray]
- [origin/tickets/1703](#) [utils]
- [origin/PT1.2](#) [base ndarray pex_exceptions utils]
- [origin/tickets/1720](#) [ndarray]
- [origin/boost.python](#) [base pex_exceptions utils]

- [origin/PT1.1](#) [`base` `utils`]
- [origin/PT1](#) [`base` `pex_exceptions` `utils`]
- [origin/tickets/1086](#) [`utils`]
- [origin/tickets/768](#) [`utils`]
- [origin/tickets/656](#) [`pex_exceptions`]
- [origin/tickets/616](#) [`utils`]
- [origin/ktl](#) [`utils`]
- [origin/tickets/548](#) [`utils`]
- [origin/tickets/547](#) [`utils`]
- [origin/tickets/458](#) [`pex_exceptions` `utils`]
- [origin/tickets/374](#) [`utils`]
- [origin/tickets/358](#) [`base`]
- [origin/tickets/337](#) [`utils`]

Branch origin/tickets/DM-2636

Found in:

- [utils](#)

utils

```
commit 9aa8276e3f9e9c3e246464303de7aedae7b02779
Author: Joshua Hoblitt
Date:   Fri May 22 15:13:32 2015 -0700

    remove unnecessary imports of eups
```

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Branch origin/master

Found in:

base

```
commit 8080078c56ef7b263fa802b99239a3895db748a0
Merge: 766159b a445737
Author: Jim Bosch
Date:   Thu Apr 30 09:05:26 2015 -0400

    Merge branch 'tickets/DM-2435'
```

[Return to summary](#)

ndarray

```
commit 7408a83a3aa3df1509bb22d61aa4438c65cef2b6
Merge: 28afc54 8b83317
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Thu Jan 22 12:09:07 2015 -0500
```

> Merge branch 'tickets/DM-1802'

[Return to summary](#)

pex_exceptions

```
commit c69578ece61dcd87f871ad7d67b7874261f33d94
Author: Robyn Allsman robyn@LSST.org
Date:    Fri Nov 14 20:54:59 2014 -0600
```

  Replace envAppend with envPrepend in ups table files.

utils

```
commit 82883c77f71697b8df9fe15c2956ea5b787b8a11
Merge: 86f66b5 7a646c5
Author: Russell Owen rowen@uw.edu
Date:    Wed Apr 29 11:04:01 2015 -0700
```

  Merge branch 'tickets/DM-2635'

Branch origin/tickets/DM-2435

Found in:

- base

base

```
commit a445737c1f27d741399d2e38a77372c34f47fb0d
Author: Jim Bosch
Date:   Wed Apr 29 16:30:18 2015 -0400

    Clear Python errors when module import fails.

    Since we're tracking errors due to failure to import
    via the return value of the function, we shouldn't be
    leaving the Python global exception state set, as that
    will cause confusingly unnecessary exceptions
    downstream.
```

Return to summary

Return to branch list

Branch origin/tickets/DM-2642

Found in:

- ndarray

ndarray

```
commit 87c30622154a3eabde32c9d490c3a266e01564b3
Author: Jim Bosch
Date:   Wed Apr 29 14:20:04 2015 -0400

    Add scons dependency on m4 headers to tests
```

Return to summary

Return to branch list

Branch origin/tickets/DM-2635

Found in:

- [utils](#)

utils

```
commit 7a646c581a560bde8980f05ea0b0eea335d7b01a
Author: Russell Owen
Date:   Tue Apr 28 16:45:06 2015 -0700

    Remove unused functions guessSvnVersion and stringToAny
```

[Return to summary](#)

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Branch origin/tickets/DM-2418

Found in:

- [utils](#)

utils

```
commit 6559e97b8e4576b03e5d7fc2f93880c004b00ce8
Author: Russell Owen
Date:   Thu Apr 9 10:33:37 2015 -0700

    Add lsst.utils.tests.getTempFilePath and improved some documentation

    I added context manager lsst.utils.tests.getTempFilePath to create temporary
    file paths based on unit test file path and name of the test function.
    This is intended to simplify unit tests and reduce the danger of tests
    using the same file name and thus colliding with each other (a serious problem
    in afw that has had 3 tickets and one incomplete fixup pass before this one).

    I removed temporaryFile, an older attempt that only used in one place
    before my cleanup of afw unit tests and nowhere afterwards.

    I also added an overview documentation main.dox and improved the documentation
    of items in lsst.utils.tests.

    Add a main.dox file and fix a formatting error in a doc string

    Document p_lsstSwig.i and fix a few Doxygen errors

    I have not figured out how to get a live link to p_lsstSwig.i, but it doesn't include
    doxygen comments anyway.

    Clean up as per review and remove deprecated temporaryFile.
```

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Branch origin/tickets/DM-2201

Found in:

- `utils`

utils

```
commit eb0675d3741bac1f8181a1c98a9422e93669ec0e
Author: Jim Bosch
Date:   Fri Apr 10 15:33:56 2015 -0400

    Remove unused imports, update copyright, and remove trailing whitespace.
```

Return to summary

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Branch origin/tickets/DM-2379

Found in:

- ndarray

ndarray

```
commit 1d88adc5f9edbefc0773d28ae8367ae8830fabc4
Author: Jim Bosch
Date:   Tue Mar 31 22:53:35 2015 -0400

    Check for type equivalency, not identity, in matching NumPy arrays.

    Integer types with the same size and signedness are equivalent (e.g.
    long and long long when both are 64-bit), and should be treated as
    such.
```

Return to summary

Return to branch list

Branch origin/tickets/DM-2389

Found in:

- [utils]

> ## utils
>
> ```
> commit ea359401128ea065cc4e3e57b821d54a21bb2257
> Author: Russell Owen
> Date:    Tue Mar 24 10:56:44 2015 -0700
>
>     Remove special bool handling, as the desired behavior is standard in SWIG 3
> ```
>
> [Return to summary](#)

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Branch origin/tickets/DM-2347

Found in:

- [utils]

> ## utils

```
commit 7222f26c69aa22f4d8463041c29901228714c056
Author: John Swinbank
Date:   Mon Mar 23 08:34:01 2015 -0400

    Make declareValueEquality delegate to C++'s !=.

    This forces equality to be semantically equivalent in C++ and Python code.

    It also means that any C++ which is wrapped with declareValueEquality must
    provide both an appropriate operator==() and an operator!=().
```

Return to summary

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Branch origin/tickets/DM-2348

Found in:

- utils

utils

```
commit 4ea9c4138d3525a70c522edb7d987bc047df5141
Author: Paul Price
Date:   Mon Mar 16 21:08:28 2015 -0400

    swig: fix fail-to-fail in %useValueEquality and %usePointerEquality

    In the event of an exception from the equality operator, these would
    return a class (and hence evaluate to True), rather than raise an
    exception.  Might have had these raise a NotImplemented exception,
    but I think that it's better to just allow any exception to propagate
    up, as an exception generated by _eq_impl may not be due to the equality
    operator not being implemented.
```

Return to summary

Branch origin/tickets/DM-1802

Found in:

- ndarray

ndarray

```
commit 8b833175811cbf59c7fe715d900e2048ee503db2
Author: Jim Bosch
Date:   Wed Jan 21 18:23:57 2015 -0500

    Remove unused local typedef to address gcc warnings
```

Branch origin/tickets/DM-1086

Found in:

- utils

utils

```
commit 8a93d6a2e898049dffc04ecb0a2772ef82a6aec1
Author: John Swinbank
Date:   Wed Jan 21 14:12:08 2015 -0500

    Remove PowFast.

    This code is unused and has no practical advantage over std::exp. See
    discussion at DM-1086.
```

Branch origin/u/rallsman/DM-868

Found in:

- ndarray
- utils

ndarray

```
commit 82b9a38f2aabc061dfe06d0971f1c3726f5f7d4c
Author: Robyn Allsman
Date:   Fri Nov 14 20:52:45 2014 -0600

    Replace envAppend with envPrepend in ups table files.
```

utils

```
commit f707de5e1337de11f89faa467784a5b94775be55
Author: Robyn Allsman robyn@LSST.org
Date:   Fri Nov 14 21:01:06 2014 -0600


    Replace envAppend with envPrepend in ups table files.
```

Branch origin/release/Summer2014

Found in:

- base
- ndarray
- pex_exceptions
- utils

base

```
commit 61058740b4ba0d21af6799ad07b3ad6444c296b6
Merge: f8e3da9 dd170d2
Author: Robyn Allsman
Date:   Fri Aug 1 09:47:25 2014 -0500

    Merge branch 'tickets/DM-711'
```

ndarray

```
commit 44be88464c05d4bda75c2e52bc0cfdf0c5928b0e
Merge: dbc1f3d 6ad128e
Author: Mario Juric mjuric@lsst.org
Date:   Fri Mar 7 12:53:31 2014 -0600
```

```
  Merge branch 'tickets/3148'
```

pex_exceptions

```
commit 3a93a35064c57a40e04760e2e02a3256f18805f5
Merge: 82f5e1d bba23a8
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Thu Aug 7 19:25:04 2014 -0700
```

```
Merge branch 'u/jbosch/DM-827'
```

utils

```
commit 406e1a2078bacffb8c04c0ce499d5ac7ddc5fc59
Merge: 7e816b2 11212a1
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Thu Aug 7 19:25:12 2014 -0700
```

```
Merge branch 'u/jbosch/DM-827'
```

Branch origin/u/jbosch/DM-827

Found in:

- pex_exceptions
- utils

pex_exceptions

```
commit bba23a87b7beb9bc44cfc6343b61b2d1eb50565a
Author: Jim Bosch
Date:   Thu Aug 7 19:16:34 2014 -0700

    Improve test coverage of Exception::addMessage()
```

Return to summary

utils

```
commit 11212a1ac96cf9b129302c6a2f7fa46098ba78ad
Author: Jim Bosch  jbosch@astro.princeton.edu
Date:   Thu Jul 17 14:12:20 2014 -0400



  Adapt to changes in Python Exception wrappers (DM-827)


```

Return to summary

Return to branch list

Branch origin/release/v911

Found in:

- base
- ndarray
- pex_exceptions
- utils

base

```
commit 61058740b4ba0d21af6799ad07b3ad6444c296b6
Merge: f8e3da9 dd170d2
Author: Robyn Allsman
Date:   Fri Aug 1 09:47:25 2014 -0500

    Merge branch 'tickets/DM-711'
```

Return to summary

ndarray

```
commit 44be88464c05d4bda75c2e52bc0cfdf0c5928b0e
Merge: dbc1f3d 6ad128e
Author: Mario Juric mjuric@lsst.org
Date:   Fri Mar 7 12:53:31 2014 -0600
```

```
  Merge branch 'tickets/3148'
```

Return to summary

pex_exceptions

```
commit 82f5e1da6590481d53d5a26c6b5458c286b0641f
Merge: 0c17e81 9738f95
Author: Russell Owen rowen@uw.edu
Date:   Wed Jun 25 16:56:43 2014 -0700
```

Merge branch 'tickets/DM-764'

utils

```
commit 7e816b2b5d6f49c27a5946b92ab099020f31f4d4
Merge: f29efbd f00dab5
Author: Russell Owen rowen@uw.edu
Date:   Wed Jun 25 16:57:31 2014 -0700
```

Merge branch 'tickets/DM-764'

Branch origin/tickets/DM-974

Found in:

- <u>base</u>

<div style="background-color:#f0e68c">

base

```
commit f352099593ac25bc8d4d949e6bd3d2157dc3214b
Author: Russell Owen
Date:   Fri Jul 18 09:01:36 2014 -0700

    Disable "references" and "referenced by" sections in Doxygen
```

</div>

Branch origin/tickets/DM-711

Found in:

- <u>base</u>

<div style="background-color:#f0e68c">

base

```
commit dd170d219a8866cb8b0353788a4ac4eac39ce8a8
Author: Robyn Allsman
Date:   Wed Jun 18 17:23:08 2014 -0500

    Updated doxygen 1.8.5 required changes to doxygen configuration file
```

</div>

Branch origin/tickets/DM-764

Found in:

- pex_exceptions
- utils

pex_exceptions

```
commit 9738f952a9be1c01a40c555e0cf3285115f6f72d
Author: Russell Owen
Date:   Wed Jun 18 15:02:36 2014 -0700

    Added missing TimeoutError to exceptionsLib.i
```

Return to summary

utils

```
commit f00dab5d059757cbbb085bb121766146bfb1d3cf
Author: Russell Owen rowen@uw.edu
Date:   Tue Jun 17 16:07:05 2014 -0700
```

```
  Renamed exceptions.
```

Return to summary

Return to branch list

Branch origin/u/rhl/make_unique

Found in:

- [base]

base

```
commit 61a21dc968fab82aaf05fec37e5acd38014c7b8e
Author: Robert Lupton the Good
Date:   Mon Jun 2 15:29:24 2014 -0400

    Add std::make_unique
```

[Return to summary]

[Return to branch list]

Branch origin/release/Winter2014

Found in:

- [base]
- [ndarray]
- [pex_exceptions]
- [utils]

base

```
commit 47bec627314ffabab7045a2fa59d242465786c5d
Merge: b0af66d 9278ce5
Author: Mario Juric
Date:   Fri Mar 7 12:53:30 2014 -0600

    Merge branch 'tickets/3148'
```

[Return to summary]

ndarray

```
commit 44be88464c05d4bda75c2e52bc0cfdf0c5928b0e
Merge: dbc1f3d 6ad128e
Author: Mario Juric mjuric@lsst.org
Date:   Fri Mar 7 12:53:31 2014 -0600
```

  Merge branch 'tickets/3148'

pex_exceptions

```
commit 0c17e8181a986fa5287de662973a6674a55a9877
Merge: 60be2e0 766cc9e
Author: Mario Juric mjuric@lsst.org
Date:   Fri Mar 7 12:53:31 2014 -0600
```

  Merge branch 'tickets/3148'

utils

```
commit f29efbd9a5169478225951891d7cc8eec7879454
Merge: 2fb7457 71f2c3d
Author: Mario Juric mjuric@lsst.org
Date:   Fri Mar 7 12:53:31 2014 -0600
```

Merge branch 'tickets/3148'

Branch origin/u/mjuric/eupspkg

Found in:

- base
- ndarray
- pex_exceptions
- utils

base

```
commit 9278ce576a92fe8773cd5117c317c1fcf14388af
Author: Mario Juric
Date:   Wed Mar 5 16:28:59 2014 -0600

    removed explicit versions from the table file.
```

ndarray

```
commit 6ad128e5a208d54410538ba298c44fc70fed79c0
Author: Mario Juric mjuric@lsst.org
Date:   Wed Mar 5 16:29:24 2014 -0600



  removed explicit versions from the table file.


```

Return to summary

pex_exceptions

```
commit 766cc9e652240139851648460b91a201a23500a1
Author: Mario Juric mjuric@lsst.org
Date:   Wed Mar 5 16:29:30 2014 -0600



  removed explicit versions from the table file.


```

Return to summary

utils

```
commit 71f2c3d77796c9ccc035cce42f5beafa40b8dd96
Author: Mario Juric mjuric@lsst.org
Date:   Wed Mar 5 16:29:43 2014 -0600



  removed explicit versions from the table file.



```

Branch origin/tickets/3148

Found in:

- base
- ndarray
- pex_exceptions
- utils

base

```
commit 9278ce576a92fe8773cd5117c317c1fcf14388af
Author: Mario Juric
Date:   Wed Mar 5 16:28:59 2014 -0600

    removed explicit versions from the table file.
```

ndarray

```
commit 6ad128e5a208d54410538ba298c44fc70fed79c0
Author: Mario Juric mjuric@lsst.org
Date:   Wed Mar 5 16:29:24 2014 -0600
```

  removed explicit versions from the table file.

pex_exceptions

```
commit 766cc9e652240139851648460b91a201a23500a1
Author: Mario Juric mjuric@lsst.org
Date:   Wed Mar 5 16:29:30 2014 -0600
```

  removed explicit versions from the table file.

utils

```
commit 71f2c3d77796c9ccc035cce42f5beafa40b8dd96
Author: Mario Juric mjuric@lsst.org
Date:   Wed Mar 5 16:29:43 2014 -0600
```

> removed explicit versions from the table file.

Return to summary

Return to branch list

Branch origin/tickets/3120

Found in:

- `utils`

utils

```
commit fb0135e4235d7cb5e3aa3c096a82834de5498932
Author: Jim Bosch
Date:   Sun Jan 26 18:00:06 2014 -0500

    Comment to explain usage of cast macro (#3120)
```

Return to summary

Return to branch list

Branch origin/u/jbosch/3081

Found in:

- ndarray

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ndarray

```
commit 33800a4f53b5a67c85c566a894d81511faf2681d
Author: Jim Bosch
Date:   Fri Jan 24 15:15:08 2014 -0500

    Fix clang warnings about class/struct mismatches (#3081)
```

Return to summary

</div>

Branch origin/tickets/2965

Found in:

- pex_exceptions

<div style="background-color:#f2e09a; padding:1em;">

pex_exceptions

```
commit f0ac0dbe7cde9f600bdf061a0777360631c8abd6
Author: Jim Bosch
Date:   Mon Jan 20 12:19:53 2014 -0500

    Rename macro, swap last arguments, in response to review for #2965
```

Return to summary

</div>

Branch origin/tickets/3054

Found in:

- ndarray

ndarray

```
commit 49da30f4865082a3168c5a5a4022f832ffd57611
Author: Jim Bosch
Date:   Tue Nov 19 11:56:59 2013 -0500

    Don't invoke std::fill on NestedIterator; it's not an STL ForwardIterator

    This should address build failures on Mac OSX 10.9 (#3054)
```

Return to summary

Return to branch list

Branch origin/u/price/3054

Found in:

- ndarray

ndarray

```
commit 4d71e028effa34cc6c5520c6ad2f17850850c759
Author: Paul Price
Date:   Tue Nov 19 16:04:16 2013 +0000

    ArrayRef: replace std::fill, which doesn't work on MacOS 10.9 (#3054)
```

Return to summary

Branch origin/tickets/3055

Found in:

- <u>base</u>

base

```
commit 14cc1e140fd5affa2c6db847d6f5779430201b9b
Author: Simon Krughoff
Date:   Mon Nov 18 11:22:33 2013 -0800

    Responding to review.  Moved setting flags and calling load_module to a se
parate method.  Made a list of modules to wrap in set/unset block at the modul
e level to handle _lsstcppimport.so.  Made a list at the module level of exten
sions to check in case LSST is ported to other architectures/operating systems
.
```

Branch origin/u/jbosch/s13

Found in:

- <u>pex_exceptions</u>

pex_exceptions

```
commit 2cb7c7fcefa483f45e52151582d183e4248b26f5
Author: Jim Bosch
Date:   Fri Jul 19 16:18:03 2013 -0400

    Add convience macro for common equal-or-throw pattern (#2965)
```

Return to summary

Return to branch list

Branch origin/tickets/2832

Found in:

- ndarray

ndarray

```
commit b7975aecdd1d77476e5c968aa63c71c46002eace
Author: Jim Bosch
Date:   Mon Apr 29 18:33:12 2013 -0400

    Add function to call PyConverter::toPython without explicit type
```

Return to summary

Return to branch list

Branch origin/next

Found in:

- base
- ndarray
- pex_exceptions

- [utils](#)

base

```
commit a1e3530a0888cbbf0dc2a627c870c7d89d1fe979
Author: Robert Lupton the Good
Date:   Wed Apr 3 18:23:56 2013 -0400

    Prepend to LD_LIBRARY_PATH (and DYLD_LIBRARY_PATH too for os/x)
```

[Return to summary](#)

ndarray

```
commit 0b826336d467ca704e488d15a00c8d114fb3b587
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Fri Dec 7 22:17:23 2012 -0500
```

```
allow Vector to handle non-numeric types by not always setting to zero
```

[Return to summary](#)

pex_exceptions

```
commit 21b7d3b39a216ab320bd43bce640cd86090f5ceb
Merge: c802d22 ebd8f01
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Tue Aug 28 18:56:45 2012 -0400
```

> Merge branch 'tickets/2280'

utils

```
commit 21f62dcf2f1a295e7cf43042468ad98fd7d9fbab
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Tue Apr 23 15:24:11 2013 -0400
```

> Remove confusing relic from documentation for assertClose

Branch origin/tickets/2824

Found in:

- utils

utils

```
commit 4aa3a65069b6fe0f89791010e25b0d9aa1f49041
Author: Jim Bosch
Date:   Tue Apr 23 14:31:05 2013 -0400

    Update to floating-point comparison to reflect #2824 review

    Added numpy to table file

    Protected matplotlib import with try block

    Refactored diff plotting into a separate routine

    Improved documentation for relTo argument

    Fixed bugs when only one side of the comparison is an array

    Improved test coverage
```

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Branch origin/HSC

Found in:

- [base](#)
- [ndarray](#)
- [pex_exceptions](#)
- [utils](#)

base

```
commit 965a1d18131b08fa2a778120017398c6d0796213
Merge: 2b88f99 a1e3530
Author: Jim Bosch
Date:   Wed Apr 3 18:26:57 2013 -0400

    Merge remote-tracking branch 'NCSA/next'

    Want to pick up table file changes that make bootstrapping base more robus
t.
```

ndarray

```
commit 18dd94c4ca1f256afffe583e684091f45c9fcc5f
Merge: 0dd5431 0b82633
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Tue Feb 19 21:06:21 2013 +0900
```

```
Merge LSST/next into HSC/stage-ncsa-3
```

pex_exceptions

```
commit ff5c0e533b2da7ed5133c0dabe3c6c6568513670
Merge: bf7f5af 21b7d3b
Author: Jim Bosch jbosch@astro.princeton.edu
Date:    Tue Feb 19 21:00:00 2013 +0900
```

Merge LSST/next into HSC/stage-ncsa-3

utils

```
commit 87a6f57df9dd0c04dbbb8f42248bed93c01877e6
Author: Robert Lupton the Good rhl@astro.princeton.edu
Date:    Tue Apr 16 18:47:41 2013 -0400
```

Initial implementation taken from Harrison Ainsworth's code; see copyright in PowFast.cc

Branch origin/tickets/2802

Found in:

- utils

utils

```
commit d0299c1e87aaadead5216c532550417ff1225f48
Author: Robert Lupton the Good
Date:   Tue Apr 16 18:47:41 2013 -0400

    Initial implementation taken from Harrison Ainsworth's code; see copyright
 in PowFast.cc
```

[Return to summary](#)

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Branch origin/tickets/2696

Found in:

- base

base

```
commit b262c855f779a65099e52bd2abc740fc264954e6
Author: Jim Bosch
Date:   Wed Mar 13 11:01:44 2013 -0400

    Minor updates for review of #2696

    Made ModuleImporter::install private, with a friend function to access it.
    Add/update copyright screed for new files.
    Remove machine-generated testModuleImporterLib.py from git and ignore it.
```

[Return to summary](#)

Branch origin/tickets/2664

Found in:

- `utils`

utils

```
commit 94d26caf534aa06de234f9a3e2cf7306e0812df2
Author: Russell Owen
Date:   Fri Mar 8 17:17:35 2013 -0800

    Minor tweaks. The unit test fails for reasons I will post in the ticket.
```

Branch origin/tickets/1894

Found in:

- `base`

base

```
commit 849f584688c381e724b0e022c678cd09585839a3
Merge: 1041415 b85c87c
Author: Robert Lupton the Good
Date:   Wed Jan 9 12:48:29 2013 -0500

    Merge branch 'master' into tickets/1894
```

Branch origin/tickets/2475

Found in:

-

utils

```
commit 7ca9f19eacbeb5dd5cb52660521e3fc1965e9a4e
Author: Paul Price
Date:   Fri Nov 30 12:24:32 2012 -0500

    Add function decorator to enter pdb when there's an uncaught exception.
```

Branch origin/tickets/2340

Found in:

-

base

```
commit 932b869677dc0189b9b37ef84460d95daa5278e5
Author: Paul Price
Date:   Tue Sep 25 14:24:48 2012 -0400

    Remove unnecessary imports.
```

Branch origin/releases/Summer2012

Found in:

- base
- ndarray
- pex_exceptions
- utils

base

```
commit 6ae8f4b79f27e690fc27a520799a61cc8f6bd4cd
Author: Paul Price
Date:   Fri Dec 9 15:03:49 2011 -0500

    Separate function definition and use with &&
```

ndarray

```
commit 6cc709cf17f5c3a0ce96c94f1381dd27c7d7fd13
Author: Jim Bosch jbosch@astro.princeton.edu
Date:    Tue Aug 21 18:42:41 2012 -0400
```

> be more explicit with assignment operators in EigenView to avoid (valid? bu
> ggy?) clang errors

pex_exceptions

```
commit c802d2298c0ddc5e820c38088656c45cc72a7bbd
Author: Serge Monkewitz smm@ipac.caltech.edu
Date:    Sat May 12 00:17:33 2012 -0500
```

> ignore generated doxygen.conf file

utils

```
commit 575c33d079d503f7c3a52ea5c475afa9b669b7e1
Merge: 5e2824d 28d5997
Author: Jim Bosch jbosch@astro.princeton.edu
Date:    Thu May 24 13:08:15 2012 -0400
```

> Merge branch 'tickets/2121'

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Branch origin/tickets/2280

Found in:

- base
- ndarray
- pex_exceptions
- utils

base

```
commit 8013b9420379aa8d079a2a0fe5ef488074d85d63
Author: Paul Price
Date:    Fri Mar 9 04:45:00 2012 +0900

    Update build file.
```

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ndarray

```
commit ff6674191c86a836d051d925f4676cdf163904a5
Author: Paul Price price@astro.princeton.edu
Date:   Fri Mar 9 04:45:00 2012 +0900
```

Update build file.

pex_exceptions

```
commit ebd8f0144299d0b38b575321b2aca0cfe2383ee1
Author: Paul Price price@astro.princeton.edu
Date:   Fri Mar 9 04:45:00 2012 +0900
```

Update build file.

utils

```
commit 676988a935744287f5f2840d1e03ff1e7a2f755f
Author: Paul Price price@astro.princeton.edu
Date:   Fri Mar 9 04:45:01 2012 +0900
```

Update build file.

Branch origin/tickets/2271

Found in:

- ndarray

ndarray

```
commit 71414239bc2be8611b6479feadf89cc7f329ef58
Author: Jim Bosch
Date:   Tue Aug 21 18:42:41 2012 -0400

    be more explicit with assignment operators in EigenView to avoid (valid? b
uggy?) clang errors
```

Branch origin/tickets/2252

Found in:

- [base](#)
- [ndarray](#)
- [pex_exceptions](#)
- [utils](#)

base

```
commit 6a776fdbe68f439b67820b9f0927ef163e77460d
Merge: 6ae8f4b 8013b94
Author: Jim Bosch
Date:   Mon Jul 23 18:36:35 2012 +0900

    Merge branch 'HSC' into tickets/2252
```

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ndarray

```
commit 485c26edee6098259fcb71ebe863f3a09bf831b1
Merge: 790560c 1e63af7
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Mon Jul 23 18:48:34 2012 +0900
```

```
  Merge branch 'HSC' into tickets/2252
```

[Return to summary](#)

pex_exceptions

```
commit f81a28a2ff7a7a12ad1394c6f7f9612a97864a1b
Merge: c802d22 bf7f5af
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Mon Jul 23 18:37:22 2012 +0900
```

> Merge branch 'HSC' into tickets/2252

utils

```
commit d2ad7affb03d039a069af79296c14c65b64e28cf
Merge: 575c33d 0176eee
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Mon Jul 23 18:38:32 2012 +0900
```

> Merge branch 'HSC' into tickets/2252

Branch origin/tickets/2121

Found in:

- utils

<div style="background:#f0e68c;padding:1em;">

utils

```
commit 28d5997372fa657139a473e40719b6859d515a2a
Author: Jim Bosch
Date:   Thu May 24 13:06:00 2012 -0400

    Add comments explaining previous commit.
```

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Branch origin/tickets/1990

Found in:

- ndarray

<div style="background:#f0e68c;padding:1em;">

ndarray

```
commit 05049546d015344e521ff045026515a0d655c72e
Author: Jim Bosch
Date:   Mon Mar 19 16:44:40 2012 -0400

    removed unused Boost.Python code from LSST fork
```

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Branch origin/Winter2012d

Found in:

- [base](#)
- [ndarray](#)
- [utils](#)

base

```
commit 6ae8f4b79f27e690fc27a520799a61cc8f6bd4cd
Author: Paul Price
Date:   Fri Dec 9 15:03:49 2011 -0500

    Separate function definition and use with &&
```

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ndarray

```
commit f8cda3e3454a8d69e9b869d0f223b2be9b69c6dc
Merge: 6630bee fd60e3c
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Tue Mar 6 18:22:47 2012 -0500
```

```
 Merge branch 'master' into Winter2012d
```

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utils

```
commit 5e2824d420aa5c87453d12e12ee2f98c2ccd1e1a
Author: Robert Lupton the Good rhl@astro.princeton.edu
Date:    Fri Feb 17 13:57:22 2012 -0500
```

> Fixed compiler warning

Return to summary

Return to branch list

Branch origin/Winter2012/Release

Found in:

- base
- ndarray
- pex_exceptions
- utils

base

```
commit 6ae8f4b79f27e690fc27a520799a61cc8f6bd4cd
Author: Paul Price
Date:    Fri Dec 9 15:03:49 2011 -0500

    Separate function definition and use with &&
```

Return to summary

ndarray

```
commit fd60e3cbb6f5e58810aba919d7c7b44a858e01f5
Merge: 6630bee d4009a6
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Sun Feb 19 14:07:30 2012 -0500
```

> merge from Winter2012d; ndarray should not require further changes, and is
> already compatible with the rest of master

pex_exceptions

```
commit 4cae825b96736a3eb5304d51d773624d9185e390
Merge: 0bcd9b7 d42ee90
Author: Serge Monkewitz smm@ipac.caltech.edu
Date:   Mon Dec 12 17:27:26 2011 -0600
```

> Merge branch 'Winter2012b'

utils

```
commit 5e2824d420aa5c87453d12e12ee2f98c2ccd1e1a
Author: Robert Lupton the Good rhl@astro.princeton.edu
Date:   Fri Feb 17 13:57:22 2012 -0500
```

> Fixed compiler warning

Branch origin/tickets/1843

Found in:

- ndarray

ndarray

```
commit e305126ea65694e18fee51d4b915217c75466f66
Author: Jim Bosch
Date:   Fri Feb 10 23:57:14 2012 -0500

    removed references to ndarray-tables test in SConscript and .gitignore
```

Branch origin/tickets/1881

Found in:

- utils

utils

```
commit b043fd40da7c5cb15456fa3b533e2abc21a1a386
Author: Jim Bosch
Date:   Tue Jan 31 18:01:11 2012 -0500

    fixed %usePointerEquality (was accidentally a duplicate of %useValueEquali
ty)
```

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Branch origin/Winter2012c

Found in:

- base
- ndarray
- pex_exceptions
- utils

base

```
commit 6ae8f4b79f27e690fc27a520799a61cc8f6bd4cd
Author: Paul Price
Date:   Fri Dec 9 15:03:49 2011 -0500

    Separate function definition and use with &&
```

Return to summary

ndarray

```
commit 6630beeae04a0fb63c75082db192d2ac49ddc6e0
Author: Paul Price price@astro.princeton.edu
Date:   Fri Dec 9 15:03:49 2011 -0500
```

Separate function definition and use with &&

pex_exceptions

```
commit 4cae825b96736a3eb5304d51d773624d9185e390
Merge: 0bcd9b7 d42ee90
Author: Serge Monkewitz smm@ipac.caltech.edu
Date:   Mon Dec 12 17:27:26 2011 -0600
```

Merge branch 'Winter2012b'

utils

```
commit 802a57649ac147f5ce06f379c07d8d26877547c9
Author: Jim Bosch jbosch@astro.princeton.edu
Date:    Mon Jan 9 17:32:33 2012 -0500
```

> added %include of lsst/base.h to make SWIG aware of PTR, CONST_PTR macros e
> verywhere

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Branch origin/tickets/1866

Found in:

- `utils`

utils

```
commit b5bfed2c72d5966b7db199e6b9c78e4689400004
Author: Jim Bosch
Date:    Mon Jan 9 16:58:16 2012 -0500

    switch test for bad bool conversions to allow any Exception, rather than N
otImplementedError (it should probably be TypeError, actually, but that's SWIG
's problem)
```

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Branch origin/Winter2012b

Found in:

- base
- ndarray
- pex_exceptions
- utils

base

```
commit f976459be9454148f4f5f2bb04e43384f7477aee
Author: smm
Date:   Tue Nov 1 21:36:17 2011 +0000

    base Winter2012b branch
```

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ndarray

```
commit bfc7c70160ef16949476ed504ed60c6fc63c7215
Author: smm smm@git.lsstcorp.org
Date:   Thu Nov 3 22:52:23 2011 +0000
```

```
ndarray Winter2012b branch
```

Return to summary

pex_exceptions

```
commit d42ee90b0e36d789a508c993c18ad9b83f80744a
Merge: e5cdda2 2d4523a
Author: Serge Monkewitz smm@ipac.caltech.edu
Date:   Tue Nov 22 15:50:54 2011 -0600
```

> Merge branch 'master' into Winter2012b
>
> Conflicts:
>   ups/pex_exceptions.table

utils

```
commit 157f3178545c6f2c6224b763e2febc22ea1bddc5
Author: Serge Monkewitz smm@ipac.caltech.edu
Date:   Mon Nov 28 21:27:31 2011 -0600
```

> Move %shared_vec into p_lsstSwig.i

Branch origin/Winter2012a

Found in:

- base
- ndarray
- pex_exceptions
- utils

base

```
commit 95d70ec48500870e457c8e4973b1ad22963f8245
Author: Jim Bosch
Date:   Wed Nov 16 19:20:54 2011 -0500

    removed getVersion from .cfg (may slow down scons to import lsst packages)
```

Return to summary

ndarray

```
commit ccc0ed164fc2877013e8ca1505ff2d9bfc8efbe1
Merge: 955f9cb aef3b9e
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Thu Nov 17 22:31:53 2011 -0500
```

```
more .gitignore tweaking
```

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pex_exceptions

```
commit b2df94643284dc6e1588dd8ef94619949dee4e2d
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Wed Nov 16 19:22:56 2011 -0500
```

  removed getVersion from .cfg (may slow down scons to import lsst packages)

utils

```
commit ac247f7bd270cdded461a1a3360e9608f1c51a37
Author: Jim Bosch jbosch@astro.princeton.edu
Date:   Wed Nov 16 19:31:45 2011 -0500
```

  added support for git-based version introspection

Branch origin/tickets/1814

Found in:

- pex_exceptions

pex_exceptions

```
commit ef9ac6edb8043c6cb362059ce7bd01123e824b41
Author: cosic
Date:   Tue Nov 15 22:43:10 2011 +0000


    Added two new exception classes for GPU exceptions
```

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Branch origin/tickets/1780

Found in:

- base
- ndarray
- pex_exceptions
- utils

base

```
commit 5d6e28524ff0cd9b9f3975d3717650cdceff1f6f
Author: jbosch
Date:   Tue Oct 18 21:44:26 2011 +0000


    #1780 - lots of dependency tree fixes; removed separate scons package
```

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ndarray

```
commit 7f3065b0b1db306ee96118e760d122fb6cc2ac2e
Author: jbosch jbosch@git.lsstcorp.org
Date:    Tue Oct 18 21:44:53 2011 +0000
```

> #1780 - lots of dependency tree fixes; removed separate scons package

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pex_exceptions

```
commit dfc2b6d10ff97610ef72670b77a9ad47e3911495
Author: jbosch jbosch@git.lsstcorp.org
Date:    Tue Oct 18 21:44:48 2011 +0000
```

> #1780 - lots of dependency tree fixes; removed separate scons package

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utils

```
commit 1e5cf594052839c6f682ce785ab44a77d2d34054
Author: jbosch jbosch@git.lsstcorp.org
Date:    Tue Oct 18 21:46:08 2011 +0000
```

> #1780 - lots of dependency tree fixes; removed separate scons package

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Branch origin/tickets/4.5.1.0

Found in:

- ndarray

ndarray

```
commit d80b922c50515031383d90c8f2a3cfb02855c51c
Author: jbosch
Date:    Mon Oct 3 15:00:33 2011 +0000

     ndarray - tagging 4.5.1.0 (pre-Winter2012)
```

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Branch origin/tickets/1752

Found in:

- ndarray

Return to branch list

Branch origin/tickets/1749

Found in:

- ndarray

Return to branch list

Branch origin/tickets/1703

Found in:

- utils

utils

```
commit 44a8f2c72422ce5e05d94e90918bbc2c852a50d0
Author: rplante
Date:   Mon Sep 19 19:14:38 2011 +0000


    #1703 fixed: made __enter__(), __exit__() proper functions on class
```

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Branch origin/PT1.2

Found in:

- base
- ndarray
- pex_exceptions
- utils

base

```
commit 79eddc481f9c1a96a969f32ad8a303714ab33b6f
Author: dgehrig
Date:   Mon Jun 6 20:15:49 2011 +0000


    PT1.2 branch
```

Return to summary

ndarray

```
commit ca9dbaa94875a4e96c053bf269f4f191d4439648
Merge: b58fdbf 5f986f6
Author: jbosch jbosch@git.lsstcorp.org
Date:    Fri Jul 15 00:48:56 2011 +0000
```

```
ndarray - merged trunk to PT1.2 branch for 3000 runs
```

Return to summary

pex_exceptions

```
commit 4567fbc13cc6112c4c387ba89860266b213b4009
Author: dgehrig dgehrig@git.lsstcorp.org
Date:    Mon Jun 6 21:24:15 2011 +0000
```

```
branch 1.2
```

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utils

```
commit 037726fb8249fb3c777f9ccc9740f1501c4f6f63
Author: rplante rplante@git.lsstcorp.org
Date:   Wed Jun 15 16:25:05 2011 +0000
```

  merged changes from trunk

Branch origin/tickets/1720

Found in:

- ndarray

ndarray

```
commit eb1af83b67fbfb1acd93d7facfa0fe0787cf3bf4
Author: jbosch
Date:   Sat Jul 2 02:26:52 2011 +0000

    ndarray #1720 – marged from trunk (just mergeinfo)
```

Branch origin/boost.python

Found in:

- [base](#)
- [pex_exceptions](#)
- [utils](#)

base

```
commit ba4b112d095014d69d51094cce630111d0717153
Author: jbosch
Date:   Tue May 3 09:42:58 2011 +0000

    bp metapackage - added security package
```

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pex_exceptions

```
commit 2810ac0ecc4299032ae8975f28e70cb85760842b
Author: jbosch jbosch@git.lsstcorp.org
Date:   Sun May 8 07:27:45 2011 +0000
```

```
bp metapackage:
-added daf_data
-added const-correctness for data members in Boost.Python
-added regular expression support to bpdox
-updated existing packages to use bpdox regular expressions
```

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utils

```
commit 7292c65edfc38bd0cf291a4b6a1a59baa260cfe3
Author: jbosch jbosch@git.lsstcorp.org
Date:    Sun May 8 23:13:25 2011 +0000
```

> bp metapackage: added ndarray

Branch origin/PT1.1

Found in:

- base
- utils

base

```
commit 6088d100bf47427185044b47d30ce5e4ebd350c3
Author: dgehrig
Date:    Tue Dec 14 21:45:49 2010 +0000

      branching from PT1.1
```

utils

```
commit ef4f55c06065335ce5d072838e2bc6d8fe3f1c87
Author: dgehrig dgehrig@git.lsstcorp.org
Date:   Tue Dec 14 22:15:04 2010 +0000
```

> branching from PT1.1

Branch origin/PT1

Found in:

- base
- pex_exceptions
- utils

base

```
commit b1d15b7e409840ccdea4d72c7310c5b52a2444ed
Author: ktlim
Date:   Fri Jul 2 05:48:43 2010 +0000

    Branch for PT1 release.
```

pex_exceptions

```
commit 0ba5685efce7306348cbadcf2ee6c9cc9a17a959
Author: ktlim ktlim@git.lsstcorp.org
Date:   Fri Jul 2 05:50:18 2010 +0000
```

> Branch for PT1 release.

[Return to summary](#)

utils

```
commit 74815a4f1c3db8df5a008abb8130f9f005eba1a8
Author: ktlim ktlim@git.lsstcorp.org
Date:   Fri Jul 2 05:50:51 2010 +0000
```

> Branch for PT1 release.

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Branch origin/tickets/1086

Found in:

- utils

Return to branch list

Branch origin/tickets/768

Found in:

- utils

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Branch origin/tickets/656

Found in:

- pex_exceptions

pex_exceptions

```
commit 139327611e39ee94d5858e4830c349675297acaf
Author: ktlim
Date:   Mon Feb 23 19:42:32 2009 +0000


    Fix type lookups for runtime exception types.
```

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Branch origin/tickets/616

Found in:

- `utils`

utils

```
commit b9588f80cb089eb9c782bf8029f0105ebed27d39
Author: ktlim
Date:   Mon Feb 9 21:37:42 2009 +0000


    Try RHL fix for boost::noncopyable SWIG warnings.
```

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Branch origin/ktl

Found in:

- <code>utils</code>

utils

```
commit aa7243c83e5538f42d33f72abdd5407d6ed97f01
Author: ktlim
Date:   Wed Jan 14 02:44:31 2009 +0000

    Make utils dependent on pex_exceptions.
```

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Branch origin/tickets/548

Found in:

- <code>utils</code>

utils

```
commit 76091abc6e72f5d1a051a745d04e94617daaa1f0
Author: ktlim
Date:   Wed Jan 14 00:29:10 2009 +0000

    Better way to import unordered_map into std::tr1 namespace.
```

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Return to branch list

Branch origin/tickets/547

Found in:

- utils

utils

```
commit 83f8f14726c699bf98ca29225e7d18589846d0c9
Author: smm
Date:   Tue Dec 23 03:44:42 2008 +0000

    Added helper function that tests whether a specific LSST C++ exception was
  thrown (#547)
```

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Branch origin/tickets/458

Found in:

- pex_exceptions
- utils

pex_exceptions

```
commit e67061c3bf0fce63af0f7a23df44bd172f30d859
Author: ktlim
Date:   Wed Nov 26 21:57:39 2008 +0000

    utils is required for p_lsstSwig.i
```

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utils

```
commit 33bb69ca82b592f6c360fd5ff29d2cc893cb0ff7
Author: ktlim ktlim@git.lsstcorp.org
Date:   Wed Nov 26 21:31:14 2008 +0000
```

Use getType() instead of ctype().

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Branch origin/tickets/374

Found in:

- utils

utils

```
commit b6f40c6d2feed001a89f33a93626014730d59419
Author: smm
Date:   Thu Nov 13 21:40:26 2008 +0000

    Allow a product name to be passed to lsst.utils.version(). If omitted, it
is derived from the HeadURL parameter.
```

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Return to branch list

Branch origin/tickets/358

Found in:

- base

```
commit af9033475a041133fb6015fa23bc92e9e0723234
Author: rplante
Date:   Wed Aug 20 21:04:36 2008 +0000

    bug fix #358: lsstimport.py: moved update of sys.meta_path to end
```

Return to summary

Return to branch list

Branch origin/tickets/337

Found in:

- utils

```
commit c7ddc87b9dc28993e47017f80d804e794c8eb416
Author: rhl
Date:   Mon Apr 21 14:33:44 2008 +0000

    Implement ticket #337
```

Return to summary

Return to branch list