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The files were incorporated into mongo-c-driver from the GnuCash project (version 2.7.5, commit 749beb197d7597ba22042277ccec396c28062120) and subsequently modified. This additional note appeared with the modules in the GnuCash project:

Some of them were published on http://websvn.kde.org/trunk/KDE/kdelibs/cmake/modules, others on http://cmake-modules.googlecode.com/svn/trunk/Modules/.

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* /opt/ws_local/PERMITS_SQL/1073029148_1595253669.94/0/jjwt-impl-0-11-2-sources-jar/io/jsonwebtoken/impl/AndroidBase64Codec.java
1.13 jjwt-jackson 0.11.2

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1.15 tomcat-jaspic-api 9.0.63

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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
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- jsp_2_3.xsd
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/util/SorterTemplate.java
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*/

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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassReaderGenerator.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/transform/ClassTransformer.java
* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/FastConstructor.java
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* /opt/cola/permits/1000765526_1651084666.01/0/cglib-2-2-sources-jar/net/sf/cglib/reflect/ConstructorDelegate.java
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jar/net/sf/cglib/transform/impl/InterceptFieldEnabled.java
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jar/net/sf/cglib/transform/ClassTransformerTee.java
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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1.29 log4j-api 2.17.2

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1.33 guava 30.1.1-jre

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1.34 tomcat 9.0.60

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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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*/
/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}</b>
 * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@code Comparable} to use {@link
 *     ImmutableSortedMap#of(Comparable, Object)}.</b>
 */

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ConcurrentHashMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ComparatorOrdering.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ForwardingMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/Interner.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/RegularImmutableSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/Iterables.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/MapDifference.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/AbstractBiMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/EnumHashBiMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/BiMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ForwardingSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ArrayListMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ForwardingMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ForwardingMapEntry.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/AbstractIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/AbstractListMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/HashMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ImmutableList.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/Synchronized.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ListMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ForwardingIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/MutableClassToInstanceMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/AbstractSortedSetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/ClassToInstanceMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collection/AbstractSetMultimap.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/MultimapBuilder.java

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/hash/AbstractHasher.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/cache/RemovalListeners.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/hash/HashCode.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/cache/AbstractCache.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/base/Optional.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/base/Enums.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/math/DoubleMath.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/cache/CacheBuilderSpec.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/cache/Weigher.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/Queues.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/primitives/ParseRequest.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/hash/Murmur3_32HashFunction.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/hash/BloomFilter.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/util/concurrent/ForwardingCheckedFuture.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/base/PairwiseEquivalence.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collection/RegularContiguousSet.java
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 */

/*
 * This following method is a modified version of one found in
 * http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
 * which contained the following notice:
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 */

Found in path(s):
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jar/com/google/common/util/concurrent/MoreExecutors.java

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jar/com/google/common/util/concurrent/AtomicDoubleArray.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/cache/Striped64.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/cache/LongAdder.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/hash/Striped64.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/hash/LongAdder.java

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* /
*/

/ *
* This method was rewritten in Java from an intermediate step of the Murmur hash function in
* http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
* following header:
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* /

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jar/com/google/common/base/SmallCharMatcher.java

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  jar/com/google/common/math/Quantiles.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/eventbus/SubscriberRegistry.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/MoreObjects.java

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  jar/com/google/common/collect/Count.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collect/SortedIterables.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collect/ForwardingSortedMultiset.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collect/RangeSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collect/GeneralRange.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
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darcom/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
darcom/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
darcom/google/common/hash/LittleEndianByteArray.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
darcom/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
darcom/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
darcom/google/common/util/Platform.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
darcom/google/common/io/ReaderInputStream.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
darcom/google/common/collect/ConsumingQueueIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
darcom/google/common/hash/FarmHashFingerprint64.java

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/annotations/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/primitives/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Equivalence.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Strings.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/net/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/ContiguousSet.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/Atomics.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/Monitor.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/util/concurrent/ListeningExecutorService.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/annotations/Beta.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Ascii.java

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*/
/**
* Outer class that exists solely to let us write [@code Partially.GwtIncompatible] instead of plain
* [@code GwtIncompatible]. This is more accurate for [@link Futures#catching], which is available
* under GWT but with a slightly different signature.
*
* <p>We can't use [@code PartiallyGwtIncompatible] because then the GWT compiler wouldn't recognize
* it as a [@code GwtIncompatible] annotation. And for [@code Futures.catching], we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
*/

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  jar/com/google/common/util/concurrent/FuturesGetChecked.java
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 */

/**
 * Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
 * version.
 */

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  jar/com/google/common/base/ExtraObjectsMethodsForWeb.java

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/course/RowSortedTable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/course/AbstractSequentialIterator.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/course/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/course/SortedMapDifference.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/course/ForwardingImmutableCollection.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/course/MinMaxPriorityQueue.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/course/ForwardingSetMultimap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/course/ForwardingListMultimap.java

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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/primitives/ImmutableDoubleArray.java
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 */

/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODONT(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

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  jar/com/google/common/base/PatternCompiler.java
  */opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/CommonPattern.java
  */opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/CommonMatcher.java
  */opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/JdkPattern.java
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  jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
  */opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/io/CharSequenceReader.java
  */opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/Utf8.java
  */opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/eventbus/SubscriberExceptionContext.java
  */opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/Verify.java
  */opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/AbstractTable.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/collection/FilteredMultimapValues.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
jar/com/google/common/reflect/TypeVisitor.java
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  * /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Predicates.java
  * /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Objects.java
  * /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Function.java
  * /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/base/Defaults.java
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  * /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/AsyncEventBus.java
  * /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/eventbus/Subscribe.java
  * /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/io/ByteStreams.java
  * /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/collect/EnumMultiset.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/io/InsecureRecursiveDeleteException.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/graph/ImmutableNetwork.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/eventbus/DeadEvent.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/util/concurrent/ExecutionList.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/eventbus/EventBus.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/collection/HashBiMap.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/base/package-info.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
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jar/com/google/common/graph/SuccessorsFunction.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/graph/Network.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-
  jar/com/google/common/graph/Graphs.java

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 *
 * As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
 * java.util.HashMap class.
 */

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  jar/com/google/common/util/concurrent/Striped.java

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jar/com/google/common/graph/package-info.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4.jar/com/google/common/collect/ImmutableBiMapFauxverideShim.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/AbstractGraph.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/UndirectedMultiNetworkConnections.java
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* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/AbstractNetwork.java
* /opt/cola/permits/1110675684_1606843710.64/0/guava-25-0-jre-sources-4-jar/com/google/common/graph/ForwardingNetwork.java
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1.46 nghttp2 1.43.0

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1.47 jackson-databind 2.13.2.2

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1.48 jaxb-api 2.2.7

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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4. You may copy and distribute the Library (or a portion or
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* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/JspWriter.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/el/ScopedAttributeELResolver.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/BodyTagSupport.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/TagVariableInfo.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/VariableInfo.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/BodyTag.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/TagAdapter.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/el/VariableResolver.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/ValidationMessage.java
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* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/TagLibraryInfo.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/ErrorData.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/el/ELException.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/SkipPageException.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/TagAttributeInfo.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/tagext/BodyContent.java
* /opt/cola/permits/1345064489_1655303761.74535/0/tomcat-jsp-api-9-0-63-sources-jar/javax/servlet/jsp/JspApplicationContext.java

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1.54 slf4j 1.7.36

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- jsp_2_2.xsd
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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
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- javae_7.xsd
- javaee_web_services_1_4.xsd
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1.71 commons-daemon 1.3.1

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Implementation-Title: istack common utility code runtime
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  jar/com/sun/xml/bind/v2/model/core/ArrayInfo.java
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* /opt/cola/permits/1334904536_1653676449.1070127/0jaxb-core-2-3-0-sources-10-
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  jar/com/sun/xml/bind/unmarshaller/InfosetScanner.java
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#The following demo line has these properties:

#It expires on 1-jan-1999
#It's uncounted, and therefore requires no server (no #lmgrd needed)
#It will run on any node.

FEATURE f1 demo 1.000 01-jan-1999 uncounted 0 HOSTID=DEMO

    #The next demo line is just like the first, but will not
    #expire. This is ONLY useful if your application gets the
    #CONFIG * struct for this FEATURE line, and determines that
    #it's a DEMO type HOSTID, and uses this fact to limit the
    #behavior of the application to "demonstration" functions
    #only.

FEATURE f2 demo 1.000 01-jan-0 uncounted 0 HOSTID=DEMO
#Users can change "this_host" to the real hostname, but
#they cannot change the hostid (ANY). In practice,
#you'll probably want to use a real hostid

SERVER this_host ANY

#Put your DAEMON name here.

DAEMON demo
FEATURE f1 demo 1.000 permanent 4 0

FEATURE f2 demo 1.000 01-jan-1999 4 0

INCREMENT f2 demo 1.000 01-jan-1999 1 0

PACKAGE suite demo 1.000 0 COMPONENTS="comp1 comp2 comp3 comp4" OPTIONS=SUITE

SERVER this_host 08002b32b161
DAEMON demo
FEATURE suite demo 1.000 permanent 2 0

PACKAGE products demo 1.000 0 COMPONENTS="f1 f2 f3 f4" OPTIONS=SUITE

FEATURE products demo 1.000 permanent uncounted 0 VENDOR_STRING="1"
HOSTID="1 2 3 4"
#SERVER runs on hostid 12345678
#Users can change the hostname and port number, but
#Not the hostid

SERVER this_host 12345678

#Put your DAEMON name here. Users can change the path to the daemon

DAEMON demo

############################################################### FEATURE LINES ###################################################

#Counted, node-locked
#FEATURE names: f1, f2 and f3
#VERSION: 1.000
#Expiration: never (that's because the year in the date is '0')
#Users: 9 concurrent users
#Node-locked: hostid abc. All 9

FEATURE f1 demo 1.000 permanent 9 0 HOSTID=abc ck=0
FEATURE f2 demo 1.000 permanent 9 0 HOSTID=abc ck=0
FEATURE f3 demo 1.000 permanent 9 0 HOSTID=abc ck=0

#5 more for HOSTID def

INCREMENT f1 demo 1.000 permanent 5 0 HOSTID=def
INCREMENT f2 demo 1.000 permanent 5 0 HOSTID=def
INCREMENT f3 demo 1.000 permanent 5 0 HOSTID=def

#Uncounted (unlimited use) for HOSTID 123
#A server is not needed for the following 3 lines.

FEATURE f4 demo 1.000 01-jan-0 uncounted 0 HOSTID=123
FEATURE f5 demo 1.000 01-jan-0 uncounted 0 HOSTID=123
FEATURE f6 demo 1.000 01-jan-0 uncounted 0 HOSTID=123
SERVER this_host any
DAEMON demo

# The purpose of this file is to illustrate optional extensions to
# a license file.

#Floating, unexpiring, counted
#FEATURE name: f1
#VERSION: 1.000
#Expiration: never
#Users: 9 concurrent users
#LINGER

FEATURE f1 demo 1.000 permanent 9 0
#Floating, expiring, counted
#FEATURE name: f1
#VERSION: 1.000
#Expiration: 1-jan-1999
#Users: 9 concurrent users

FEATURE f2 demo 1.000 01-jan-1999 9 0

#Floating, expiring, counted, Incremental
#Same as previous, but will ADD 9 users to an existing file.

INCREMENT f2 demo 1.000 01-jan-1999 9 0

1.81 c-ares 1.18.1
1.81.1 Available under license:
# c-ares license

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1.85 tomcat-el-api 9.0.63

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1.86 json-simple 1.1.1

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package org.HdrHistogram;

final class Version {
    public static final String version="$VERSION$";
    public static final String build_time="$BUILD_TIME$";
}

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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* Stephan Herrmann - Contributions for
*bug 342671 - ClassCastException: org.eclipse.jdt.internal.compiler.lookup.SourceTypeBinding cannot be cast to
  org.eclipse.jdt.internal.compiler.lookup.ArrayBinding
*Bug 420894 - ClassCastException in DefaultBindingResolver.resolveType(Type)
*bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*Bug 434600 - Incorrect null analysis error reporting on type parameters
*Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
*Bug 456508 - Unexpected RHS PolyTypeBinding for: <code-snippet>
*Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
* Andy Clement - Contributions for
* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
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 * Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
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 * Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
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* Bug 349326 - [1.7] new warning for missing try-with-resources
* Bug 370930 - NonNull annotation not considered for enhanced for loops
* Bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
* Bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
* Bug 393719 - [compiler] inconsistent warnings on iteration variables
* Bug 411964 - [1.8][null] leverage null type annotation in foreach statement
* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* Bug 453483 - [compiler][null][loop] Improve null analysis for loops
* Bug 415790 - [compiler][resource]Incorrect potential resource leak warning in for loop with close in try/catch
* Jesper S Moller - Contribution for
* Bug 401853 - Eclipse Java compiler creates invalid bytecode (java.lang.VerifyError)
* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/ClasspathSourceJar.java
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* bug 349326 - [1.7] new warning for missing try-with-resources
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* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
* bug 383368 - [compiler][null] syntactic null analysis for field references
* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
* Bug 440282 - [resource] Resource leak detection false negative with empty finally block
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  - bug 336428 - [compiler][null] bogus warning "redundant null check" in condition of do {} while() loop
  - bug 186342 - [compiler][null] Using annotations for null checking
  - bug 365519 - editorial cleanup after bug 186342 and bug 365387
  - bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
  - bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
  - bug 385626 - @NonNull fails across loop boundaries
  - bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
  - bug 376263 - Bogus "Potential null pointer access" warning
  - bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
  - bug 406384 - Internal error with I20130413
  - Bug 415413 - [compiler][null] NullPointerException in Null Analysis caused by interaction of LoopingFlowContext and FinallyFlowContext
  - Bug 453483 - [compiler][null][loop] Improve null analysis for loops
  - Bug 455557 - [jdt] NPE LoopingFlowContext(recordNullReference
  - Bug 455723 - Nonnull argument not correctly inferred in loop
  - Bug 415790 - [compiler][resource] Incorrect potential resource leak warning in for loop with close in try/catch
  - Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment
  - Jesper S Moller - contributions for
  - Bug 405477 - [1.8][compiler] Analysis for effectively final variables fails to consider loops

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* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
* Bug 440687 - [compiler][batch][null] improve command line option for external annotations
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/* Nick Teryaev - fix for bug (https://bugs.eclipse.org/bugs/show_bug.cgi?id=40752) */
/* Stephan Herrmann - Contributions for */
/* *bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE */
/* *bug 345305 - [compiler][null] Compiler misidentifies a case of “variable can only be null” */
/* *bug 395002 - Self bound generic class doesn’t resolve bounds properly for wildcards for certain parametrisation. */
/* *bug 383368 - [compiler][null] syntactic null analysis for field references */
/* *bug 401017 - [compiler][null] casted reference to @Nullable field lacks a warning */
/* *bug 400761 - [compiler][null] null may be return as boolean without a diagnostic */
/* *Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations */
/* *Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking */
*Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*Bug 430150 - [1.8][null] stricter checking against type variables
*Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
*Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 415541 - [1.8][compiler] Type annotations in the body of static initializer get dropped

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Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"

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* bug 186342 - [compiler][null] Using annotations for null checking
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* Bug 413958 - Function override returning inherited Generic Type
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* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
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* Bug 424710 - [1.8][compiler] CCE in SimpleNameReference.localVariableBinding
* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
* Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context
* Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?
* Bug 426589 - [1.8][compiler] Compiler error with generic method/constructor invocation as vargs argument
* Bug 426590 - [1.8][compiler] Compiler error with tenary operator
* Bug 426764 - [1.8] Presence of conditional expression as method argument confuses compiler
* Bug 426998 - [1.8][compiler] method(java.lang.Class, java.lang.String) not applicable for the arguments (java.lang.Class, java.lang.String)
* Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
* Bug 427196 - [1.8][compiler] Compiler error for method reference to overloaded method
*Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
*Bug 427728 - [1.8] Type Inference rejects calls requiring boxing/unboxing
*Bug 427218 - [1.8][compiler] Verify error varargs + inference
*Bug 426836 - [1.8] special handling for return type in references to method getClass()?
*Bug 427628 - [1.8] regression : The method * is ambiguous for the type *
*Bug 428352 - [1.8][compiler] Resolution errors don't always surface
*Bug 428366 - [1.8] [compiler] The method valueAt(ObservableList<Object>, int) is ambiguous for the type
*Bug 424728 - [1.8][null] Unexpected error: The nullness annotation 'XXXX' is not applicable at this location
*Bug 428811 - [1.8][compiler] Type witness unnecessarily required
*Bug 429424 - [1.8][inference] Problem inferring type of method's parameter
*Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class
*Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
*Bug 441734 - [1.8][inference] Generic method with nested parameterized type argument fails on method reference
*Bug 452194 - Code no longer compiles in 4.4.1, but with confusing error
*Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
*Bug 456236 - [1.8][null] Cannot infer type when constructor argument is annotated with @Nullable
*Bug 437072 - [compiler][null] Null analysis emits possibly incorrect warning for new int[][], despite @NonNullByDefault
*Bug 462083 - [1.8][inference] Java 8 generic return type mismatch with interface involving type parameter.
  * Jesper S Moller - Contributions for
*Bug 378674 - "The method can be declared as static" is wrong
* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
  * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
    * Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas
  * Pierre-Yves B. <pyvesdev@gmail.com> - Contributions for
    * Bug 559618 - No compiler warning for import from same package
    * Bug 560630 - No warning on unused import on class from same package

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  * bug 392384 - [1.8] [compiler] [null] Restore nullness info from type annotations in class files
  * Bug 392099 - [1.8] [compiler] [null] Apply null annotation on types for null analysis
  * Bug 467032 - TYPE_USE Null Annotations: IllegalStateException with annotated arrays of Enum when accessed via BinaryTypeBinding

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  * Bug 429958 - [1.8] [null] evaluate new DefaultLocation attribute of @NonNullByDefault

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* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335  
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/BinaryModuleBinding.java

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* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used
* bug 319201 - [null] no warning when unboxing SimpleNameReference causes NPE
* bug 349326 - [1.7] new warning for missing try-with-resources
* bug 186342 - [compiler][null] Using annotations for null checking
*bug 358903 - Filter practically unimportant resource leak warnings
*bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
*bug 370639 - [compiler][resource] restore the default for resource leak warnings
*bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
*bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
*Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
Bug 417295 - [null] Massage type annotated null analysis to gel well with deep encoded type bindings.

Bug 400874 - [compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

Bug 424727 - [compiler][null] NullPointerException in nullAnnotationUnsupportedLocation(ProblemReporter.java:5708)

Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding

Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.

Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation

Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.

Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context

Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?

Bug 426764 - [1.8] Presence of conditional expression as method argument confuses compiler

Bug 424930 - [1.8][compiler] Regression: "Cannot infer type arguments“ error from compiler.

Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved


Bug 426996 - [1.8][inference] try to avoid method Expression.unresolve()?

Bug 428352 - [1.8][compiler] Resolution errors don't always surface

Bug 429203 - [1.8][compiler] NPE in AllocationExpression.binding

Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)

Bug 434297 - [1.8] NPE in LambdaExpression.analyseCode with lambda expression nested in a conditional expression

Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression

Bug 448709 - [1.8][null] ensure we don't infer types that violate null constraints on a type parameter's bound

* Jesper S Moller <jesper@selskabet.org> - Contributions for bug 378674 - "The method can be declared as static“ is wrong

* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

* 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method

* Till Brychcy - Contributions for bug 413460 - NonNullByDefault is not inherited to Constructors when accessed via Class File

* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for Bug 473178

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* Bug 473178
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*bug 382350 - [1.8][compiler] Unable to invoke inherited default method via I.super.m() syntax
*bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
*bug 404728 - [1.8]NPE on QualifiedSuperReference error
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*     Bug 360328 - [compiler][null] detect null problems in nested code (local class inside a loop)
*     Bug 388630 - @NonNull diagnostics at line 0
*     Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*     Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
*     Bug 424727 - [compiler][null] NullPointerException in nullAnnotationUnsupportedLocation(ProblemReporter.java:5708)
*     Bug 457210 - [1.8][compiler][null] Wrong Nullness errors given on full build build but not on incremental build?
*     Keigo Imai - Contribution for bug 388903 - Cannot extend inner class as an anonymous class when it extends the outer class
*     Pierre-Yves B. <pyvesdev@gmail.com> - Contributions for
*     Bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown when using MethodSource
*     Bug 546084 - Using Junit 5s MethodSource leads to ClassCastException
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bug 400710 - [1.8][compiler] synthetic access to default method generates wrong code
Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()
Bug 470467 - [null] Nullness of special Enum methods not detected from .class file
Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas

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  * Bug 400710 - [1.8][compiler] synthetic access to default method generates wrong code
  * Bug 391376 - [1.8] check interaction of default methods with bridge methods and generics
  * Bug 421543 - [1.8][compiler] Compiler fails to recognize default method being turned into abstract by subtype
  * Jesper S Moller - Contributions for
  * Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
  * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  * Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
  * Bug 409247 - [1.8][compiler] Verify error with code allocating multidimensional array
  * Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator
  * Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation
  * Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
  * Bug 449467 - [1.8][compiler] Invalid lambda deserialization with anonymous class
  * Olivier Tardieu (tardieu@us.ibm.com) - Contributions for
  * Bug 442418 - $deserializeLambda$ off-by-one error when deserializing the captured arguments of a lambda that also capture this
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* Carmi Grushko - Bug 465048 - Binding is null for class literals in synchronized blocks
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/DoubleConstant.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/CharConstant.java
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 * *bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
 * *bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
 * *bug 383368 - [compiler][null] syntactic null analysis for field references
 * *bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
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*   * Bug 458396 - NPE in CodeStream.invoke()
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Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

Bug 409247 - [1.8][compiler] Verify error with code allocating multidimensional array

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*bug 332637 - Dead Code detection removing code that isn't dead
*bug 391517 - java.lang.VerifyError on code that runs correctly in Eclipse 3.7 and eclipse 3.6
*bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional

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*  
* Bug 186342 - [compiler][null] Using annotations for null checking
* Bug 367203 - [compiler][null] detect assigning null to nonnull argument
* Bug 365519 - editorial cleanup after bug 186342 and bug 365387
* Bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
* Bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.
* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* Bug 388281 - [compiler][null] inheritance of null annotations as an option
* Bug 401030 - [1.8][null] Null analysis support for lambda methods.
* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
* Bug 403216 - [1.8][null] TypeReference#captureTypeAnnotations treats type annotations as type argument annotations
* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
* Bug 466713 - NullAnnotations: NullPointerException using <int @Nullable []> as Type Param
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* Bug 440687 - [compiler][batch][null] improve command line option for external annotations
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* bug 365519 - editorial cleanup after bug 186342 and bug 365387
* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
* Bug 414380 - [compiler][internal] QualifiedNameReference#indexOfFirstFieldBinding does not point to the first
field
* Bug 458396 - NPE in CodeStream.invoke() 
* Jesper S Moller - Contributions for
* Bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
* bug 331649 - [compiler][null] consider null annotations for fields
* bug 383368 - [compiler][null] syntactic null analysis for field references
* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
* Jesper S Moller <jesper@selskabet.org> - Contributions for
* Bug 378674 - "The method can be declared as static" is wrong
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*bug 186342 - [compiler][null] Using annotations for null checking
*bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
*Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
*Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

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 * Stephan Herrmann - Contributions for
 * bug 343713 - [compiler] bogus line number in constructor of inner class in 1.5 compliance
 * bug 349326 - [1.7] new warning for missing try-with-resources
 *bug 186342 - [compiler][null] Using annotations for null checking
 *bug 361407 - Resource leak warning when resource is assigned to a field outside of constructor
 *bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
 *bug 383690 - [compiler] location of error re uninitialized final field should be aligned
 *bug 331649 - [compiler][null] consider null annotations for fields
 *bug 383368 - [compiler][null] syntactic null analysis for field references
 *bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject into account
 *Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
 *Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
 *Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
 * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
 * Bug 415399 - [1.8][compiler] Type annotations on constructor results dropped by the code generator
 * Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
 * bug 386692 - Missing "unused" warning on "autowired" fields

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jar/org/eclipse/jdt/internal/compiler/ProcessTaskManager.java

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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
*Bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE
*Bug 292478 - Report potentially null across variable assignment
*Bug 335093 - [compiler][null] minimal hook for future null annotation support
*Bug 349326 - [1.7] new warning for missing try-with-resources
*Bug 186342 - [compiler][null] Using annotations for null checking
*Bug 358903 - Filter practically unimportant resource leak warnings
*Bug 370639 - [compiler][resource] restore the default for resource leak warnings
*Bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
*Bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
*Bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
*Bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
*Bug 383368 - [compiler][null] syntactic null analysis for field references
*Bug 400761 - [compiler][null] null may be return as boolean without a diagnostic
*Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*Bug 427438 - [1.8][compiler] NPE at
*Bug 430150 - [1.8][null] stricter checking against type variables
*Bug 453483 - [compiler][null][loop] Improve null analysis for loops
* Jesper S Moller - Contributions for
*Bug 378674 - "The method can be declared as static" is wrong
*Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
*Bug 529556 - [18.3] Add content assist support for 'var' as a type
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation
*Bug 426616 - [1.8][compiler] Type Annotations, multiple problems
*******************************************************************************/

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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*bug 366003 - CCE in ASTNode.resolveAnnotations(ASTNode.java:639)
*bug 383973 - [1.8][compiler] syntax recovery in the presence of default methods
*******************************************************************************

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/parser/RecoveredType.java
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*bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*******************************************************************************

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*bug 383368 - [compiler][null] syntactic null analysis for field references
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*bug 335093 - [compiler][null] minimal hook for future null annotation support
*bug 349326 - [1.7] new warning for missing try-with-resources
*bug 186342 - [compiler][null] Using annotations for null checking
*bug 365983 - [compiler][null] AIOOB with null annotation analysis and varargs
*bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
*bug 370930 - NonNull annotation not considered for enhanced for loops
*bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
*bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
*bug 331649 - [compiler][null] consider null annotations for fields
*bug 383368 - [compiler][null] syntactic null analysis for field references
*Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations
*Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking
*Bug 417758 - [1.8][null] Null safety compromise during array creation.
*Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
*Bug 418537 - [1.8][null] Fix null type annotation analysis for poly conditional expressions
*Bug 428352 - [1.8][compiler] Resolution errors don't always surface
*Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)
*Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
*Bug 453483 - [compiler][null][loop] Improve null analysis for loops
*Bug 455723 - Nonnull argument not correctly inferred in loop
Andy Clement - Contributions for
Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Statement.java
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  * IBM Corporation - fix for bug 342757
  * Stephan Herrmann - Contribution for bug 186342 - [compiler][null] Using annotations for null checking

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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*******************************************************************************
Bug 383624 - [1.8][compiler][null] Revive code generation support for type annotations (from Olivier's work)

Stephan Herrmann - Contribution for

Bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files

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* bug 337868 - [compiler][model] incomplete support for package-info.java when using SearchableEnvironment
* bug 186342 - [compiler][null] Using annotations for null checking
* bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations
* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
* Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
* Bug 416183 - [1.8][compiler][null] Overload resolution fails with null annotations
* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking
* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
* Bug 416190 - [1.8][null] detect incompatible overrides due to null type annotations
* Bug 424624 - [1.8][null] if a static-object with annotation @NonNull is used, a warning is shown
* Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
* Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type
* Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations
* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
* Bug 435475 - [1.8][null] Contradictory null annotations (4.5 M3 edition)
* Bug 457079 - Regression: type inference
* Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
* Bug 455180 - IllegalStateException in AnnotatableTypeSystem.getRawType
Bug 470467 - [null] Nullness of special Enum methods not detected from .class file
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* bug 282152 - [1.5][compiler] Generics code rejected by Eclipse but accepted by javac
* bug 349326 - [1.7] new warning for missing try-with-resources
* bug 359362 - FUP of bug 349326: Resource leak on non-Closeable resource
*bug 358903 - Filter practically unimportant resource leak warnings
*bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
*bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
*Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*Bug 426792 - [1.8][inference][impl] generify new type inference engine
*Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
*Bug 429384 - [1.8][null] implement conformance rules for null-annotated lower / upper type bounds
*Bug 431269 - [1.8][compiler][null] StackOverflow in nullAnnotatedReadableName
*Bug 431408 - Java 8 (1.8) generics bug
*Bug 435962 - [RC2] StackOverflowError when building
*Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
*Bug 438250 - [1.8][null] NPE trying to report bogus null annotation conflict
*Bug 438179 - [1.8][null] 'Contradictory null annotations' error on type variable with explicit null-annotation.
*Bug 440143 - [1.8][null] one more case of contradictory null annotations regarding type variables
*Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
*Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
*Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability analysis
*Bug 456559 - Discrepancy between Eclipse compiler and javac - Enums, interfaces, and generics
*Bug 456487 - [1.8][null] @Nullable type variant of @NonNull-constrained type parameter causes grief
*Bug 462790 - [null] NPE in Expression.computeConversion()
*Bug 456532 - [1.8][null] ReferenceBinding.appendNullAnnotation() includes phantom annotations in error messages
* Jesper S Møller <jesper@selskabet.org> - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
*Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
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* bug 337868 - [compiler][model] incomplete support for package-info.java when using SearchableEnvironment
* bug 186342 - [compiler][null] Using annotations for null checking
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*bug 186342 - [compiler][null] Using annotations for null checking
*bug 331649 - [compiler][null] consider null annotations for fields
*bug 383368 - [compiler][null] syntactic null analysis for field references
*bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions
*bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
*********************************************************************/

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*bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
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* Stephan Herrmann - Contribution for
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator
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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
* Bug 328281 - visibility leaks not detected when analyzing unused field in private class
* Bug 300576 - NPE Computing type hierarchy when compliance doesn't match libraries
* Bug 354536 - compiling package-info.java still depends on the order of compilation units
* Bug 349326 - [1.7] new warning for missing try-with-resources
* Bug 358903 - Filter practically unimportant resource leak warnings
* Bug 395977 - [compiler][resource] Resource leak warning behavior possibly incorrect for anonymous inner class
* Bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
* Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
* Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class
* Bug 444024 - [1.8][compiler][null] Type mismatch error in annotation generics assignment which happens “sometimes”
* Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  * Bug 415821 - [1.8][compiler] CLASS_EXTENDS target type annotation missing for anonymous classes
* het@google.com - Bug 456986 - Bogus error when annotation processor generates annotation type
* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
  * Bug 473178

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ClassScope.java

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/MethodInfoWithAnnotations.java

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*   tyeung@bea.com - initial API and implementation
*   olivier_thomann@ca.ibm.com - add hashCode() and equals(..) methods

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/AnnotationInfo.java
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*bug 185682 - Increment/decrement operators mark local variables as read     
*bug 331649 - [compiler][null] consider null annotations for fields          
*bug 383368 - [compiler][null] syntactic null analysis for field references  
*Bug 412203 - [compiler] Internal compiler error: java.lang.IllegalArgumentException: info cannot be null
*Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*Bug 458396 - NPE in CodeStream.invoke()
* Jesper S Moller - Contributions for
*Bug 378674 - "The method can be declared as static" is wrong
* Robert Roth <robert.roth.of@gmail.com> - Contributions for
*Bug 361039 - NPE in FieldReference.optimizedBooleanConstant
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* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
* Bug 409247 - [1.8][compiler] Verify error with code allocating multidimensional array
*******************************************************************************
Bug 409517 - [1.8][compiler] Type annotation problems on more elaborate array references
Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

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* Stephen Herrmann <stephan@cs.tu-berlin.de> - Contributions for
* bug 133125: [compiler][null] need to report the null status of expressions and analyze them simultaneously
* bug 292478: Report potentially null across variable assignment
* bug 324178: [null] ConditionalExpression.nullStatus(..) doesn't take into account the analysis of condition itself
* bug 354554: [null] conditional with redundant condition yields weak error message
* bug 349326: [1.7] new warning for missing try-with-resources
* bug 345305: [compiler][null] Compiler misidentifies a case of "variable can only be null"
* bug 383368: [compiler][null] syntactic null analysis for field references
* bug 400761: [compiler][null] null may be return as boolean without a diagnostic
* Bug 392099: [1.8][compiler][null] Apply null annotation on types for null analysis
* Bug 415043: [1.8][null] Follow-up re null type annotations after bug 392099
* Bug 417295: [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
* Bug 400874: [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 426078: [1.8] VerifyError when conditional expression passed as an argument
* Bug 418537: [1.8][null] Fix null type annotation analysis for poly conditional expressions
* Bug 428352: [1.8][compiler] Resolution errors don't always surface
* Bug 407414: [compiler][null] Incorrect warning on a primitive type being null
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bug 407191 - [1.8] Binary access support for type annotations
Stephan Herrmann - Contribution for

Bug 440474 - [null] textual encoding of external null annotations

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Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 429384 - [1.8][null] implement conformance rules for null-annotated lower / upper type bounds
* Bug 441797 - [1.8] synchronize type annotations on capture and its wildcard
* Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability analysis
* Bug 456924 - StackOverflowError during compilation
* Bug 462790 - [null] NPE in Expression.computeConversion()
  
* Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
* Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

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| *bug 358903 - Filter practically unimportant resource leak warnings |
| *bug 381445 - [compiler][resource] Can the resource leak check be made aware of Closeables.closeQuietly? |
| *bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject into account |
| *bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions |
| *Bug 405569 - Resource leak check false positive when using DbUtils.closeQuietly |
| *Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource |
| *Bug 425183 - [1.8][inference] make CaptureBinding18 safe |
| *Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault |
| *Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al. |
| * Jesper S Moller - Contributions for |
| *Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335 |
| *Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable |
| *bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type |
| * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for |
| * Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas |
| * Ulrich Grave <ulrich.grave@gmx.de> - Contributions for |
| * bug 386692 - Missing "unused" warning on "autowired" fields |

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  * /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/CaptureBinding.java
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/NLSTag.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/InnerClassInfo.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ProblemFieldBinding.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/LongCache.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/util/SimpleSet.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/CharLiteral.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/SubRoutineStatement.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/env/AccessRule.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/IDebugRequestor.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/StringLiteralConcatenation.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/TypeLiteral.java
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/IDebugRequestor.java
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*Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
*Bug 406982 - [1.8][compiler] Generation of MethodParameters Attribute in classfile
  * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  * Bug 405104 - [1.8][compiler][codegen] Implement support for serializable lambdas
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  * Perry James - nullStatus method improvement (165346)
  * Stephan Herrmann - Contribution for
*bug 383368 - [compiler][null] syntactic null analysis for field references
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* Bug 186342 - [compiler][null] Using annotations for null checking
* Bug 361407 - Resource leak warning when resource is assigned to a field outside of constructor
* Bug 370639 - [compiler][resource] restore the default for resource leak warnings
* Bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
* Bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding
* Bug 425152 - [1.8] [compiler] Lambda Expression not resolved but flow analyzed leading to NPE.
* Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
* Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
* Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context
* Bug 426290 - [1.8][compiler] Inference + overloading => wrong method resolution ?
* Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
* Bug 427438 - [1.8][compiler] NPE at
* Bug 428352 - [1.8][compiler] Resolution errors don't always surface
* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
  * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  * Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method

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* Bug 331649 - [compiler][null] consider null annotations for fields
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* Jesper Steen Moeller - Contribution for bug 406973 - [compiler] Parse MethodParameters attribute
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 407191 - [1.8] Binary access support for type annotations
***********************************************************************

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/* bug 342671 - ClassCastException: org.eclipse.jdt.internal.compiler.lookupSourceTypeBinding cannot be cast to */
/* org.eclipse.jdt.internal.compiler.lookup.ArrayBinding */
/* bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis */
/* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099 */
/* Bug 416181 - [1.8][compiler][null] Invalid assignment is not rejected by the compiler */
/* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault */
/* Bug 434600 - Incorrect null analysis error reporting on type parameters */
/* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E" */
/* Bug 456508 - Unexpected RHS PolyTypeBinding for: <code-snipet> */
/* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param */
/* Andy Clement - Contributions for */
/* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work) */
//*****************************************************************************/

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/* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ParameterizedQualifiedTypeReference.java */
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*bug 186342 - [compiler][null] Using annotations for null checking
*bug 370639 - [compiler][resource] restore the default for resource leak warnings
*bug 265744 - Enum switch should warn about missing default
*bug 374605 - Unreasonable warning for enum-based switch statements
*bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated
*Bug 441208 - [1.8][null]SupressWarnings("null") does not suppress / marked Unnecessary
*Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.
*******************************************************************************

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/impl/IrritantSet.java
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* Kenneth Olson - Contribution for bug 188796 - [jsr199] Using JSR199 to extend ECJ
* Dennis Hendriks - Contribution for bug 188796 - [jsr199] Using JSR199 to extend ECJ
* Frits Jalvingh - fix for bug 533830.
*******************************************************************************

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/tool/EclipseCompilerImpl.java
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*bug 186342 - [compiler][null] Using annotations for null checking
*bug 365519 - editorial cleanup after bug 186342 and bug 365387
*bug 388281 - [compiler][null] inheritance of null annotations as an option
*bug 388795 - [compiler] detection of name clash depends on order of super interfaces
*bug 388739 - [1.8][compiler] consider default methods when detecting whether a class needs to be declared abstract
*bug 390883 - [1.8][compiler] Unable to override default method
*bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
*bug 401246 - [1.8][compiler] abstract class method should now trump conflicting default methods
*bug 401796 - [1.8][compiler] don't treat default methods as overriding an independent inherited abstract method
*bug 403867 - [1.8][compiler] Suspect error about duplicate default methods
*bug 391376 - [1.8] check interaction of default methods with bridge methods and generics
*bug 395681 - [compiler] Improve simulation of javac6 behavior from bug 317719 after fixing bug 388795
*bug 409473 - [compiler] JDT cannot compile against JRE 1.8
*Bug 420080 - [1.8] Overridden Default method is reported as duplicated
*Bug 404690 - [1.8][compiler] revisit bridge generation after VM bug is fixed
*Bug 410325 - [1.7][compiler] Generified method override different between javac and eclipse compiler
*Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*Bug 390889 - [1.8][compiler] Evaluate options to support 1.7- projects against 1.8 JRE.
*Bug 440773 - [1.8][null]DefaultLocation.RETURN_TYPE erroneously affects method parameters in @NonNullByDefault
*Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
*Bug 446442 - [1.8] merge null annotations from super methods

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 * bug 349326 - [1.7] new warning for missing try-with-resources
 * * bug 186342 - [compiler][null] Using annotations for null checking
 * bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
 * bug 331649 - [compiler][null] consider null annotations for fields
 * Bug 466308 - [hovering] Javadoc header for parameter is wrong with annotation-based null analysis
 * Jesper S Møller <jesper@selskabet.org> - Contributions for
 * Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
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 * * bug 374605 - Unreasonable warning for enum-based switch statements
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*  bug 349326 - [1.7] new warning for missing try-with-resources
*bug 186342 - [compiler][null] Using annotations for null checking
*bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
*bug 370639 - [compiler][resource] restore the default for resource leak warnings
*bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
*bug 395977 - [compiler][resource] Resource leak warning behavior possibly incorrect for anonymous inner class
*bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking

*Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
*Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*Bug 416267 - NPE in QualifiedAllocationExpression.resolveType
*Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
* Jesper S Moller <jesper@selskabet.org> - Contributions for
*bug 378674 - "The method can be declared as static” is wrong
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*  Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
*  Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method
*  Till Brychcy - Contributions for
*  bug 413460 -NonNullByDefault is not inherited to Constructors when accessed via Class File
Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/QualifiedAllocationExpression.java
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* Contributors:
*    wharley@bea.com - initial API and implementation
*
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Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/model/VariableElementImpl.java
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Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/AptSourceLocalVariableBinding.java
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* Contributors:
* wharley@bea.com - initial API and implementation
* philippe.marschall@netcetera.ch - Fix for 338370
* IBM Corporation - Fix for validating relative name
/*--------------------------------------------------------------------------------*/

Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/apt/dispatch/BatchFilerImpl.java
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* Contributors:
* IBM Corporation - initial API and implementation
* Benjamin Muskalla - Contribution for bug 239066
* Stephan Herrmann - Contribution for
* bug 382347 - [1.8][compiler] Compiler accepts incorrect default method inheritance
*bug 388954 - [1.8][compiler] detect default methods in class files
*bug 388281 - [compiler][null] inheritance of null annotations as an option
*bug 388739 - [1.8][compiler] consider default methods when detecting whether a class needs to be declared abstract
*bug 390883 - [1.8][compiler] Unable to override default method
*bug 401796 - [1.8][compiler] don't treat default methods as overriding an independent inherited abstract method
*bug 395681 - [compiler] Improve simulation of javac6 behavior from bug 317719 after fixing bug 388795
*bug 406928 - computation of inherited methods seems damaged (affecting @Overides)
*bug 409473 - [compiler] JDT cannot compile against JRE 1.8
*Bug 420080 - [1.8] Overridden Default method is reported as duplicated
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Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/MethodVerifier.java

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Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocImplicitTypeReference.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ElementValuePair.java

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Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/JavadocImplicitTypeReference.java

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/* IBM Corporation - initial API and implementation */
/* Stephan Herrmann - Contributions for */
/* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE */
/* bug 349326 - [1.7] new warning for missing try-with-resources */
/* bug 360328 - [compiler][null] detect null problems in nested code (local class inside a loop) */
/* bug 186342 - [compiler][null] Using annotations for null checking */
/* bug 365835 - [compiler][null] inconsistent error reporting. */
/* bug 365519 - editorial cleanup after bug 186342 and bug 365387 */
/* bug 358903 - Filter practically unimportant resource leak warnings */
/* bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK */
/* bug 370639 - [compiler][resource] restore the default for resource leak warnings */
/* bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations */
/* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null" */
/* bug 388996 - [compiler][resource] Incorrect 'potential resource leak' */
/* bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional */
/* bug 383368 - [compiler][null] syntactic null analysis for field references */
/* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic */
/* bug 401030 - [1.8][null] Null analysis support for lambda methods. */
/* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis */
/* Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099 */
/* Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking */
/* Bug 417758 - [1.8][null] Null safety compromise during array creation. */
/* Bug 430150 - [1.8][null] stricter checking against type variables */
/* Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations */
/* Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression */
/* Bug 453483 - [compiler][null][loop] Improve null analysis for loops */
/* Bug 455723 - Nonnull argument not correctly inferred in loop */
/* Jesper S Moller - Contributions for */
/* Bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression */

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 * IBM Corporation - initial API and implementation
 * Stephan Herrmann - Contributions for bug 332637 - Dead Code detection removing code that isn't dead
 */
Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/ast/TryStatement.java

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Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)

Bug 425460 - [1.8] [inference] Type not inferred on stream.toArray

Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.

Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable

Bug 441693 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable

Bug 527554 - [1.8][compiler] Take care of the Java 8 major version

Bug 527554 - [1.8][compile] Compiler support for JEP 286 Local-Variable Type

Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version

Bug 426792 - [1.8][impl] generify new type inference engine

Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.

Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable

* Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version

Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.

Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable

* Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version

Bug 527554 - [1.8][compiler] Take care of the Java 8 major version

Bug 527554 - [1.8][compiler]Compiler support for JEP 286 Local-Variable Type

Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ArrayBinding.java

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* het@google.com - Bug 441790
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/model/AnnotationMirrorImpl.java

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*******************************************************************************
* Stephan Herrmann - Contributions for
* bug 325755 - [compiler] wrong initialization state after conditional expression
* bug 320170 - [compiler][null] Whitebox issues in null analysis
* bug 292478 - Report potentially null across variable assignment
* bug 332637 - Dead Code detection removing code that isn't dead
* bug 341999 - [compiler][null] allocate extra bits in all methods of UnconditionalFlowInfo
* bug 349326 - [1.7] new warning for missing try-with-resources
*bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*bug 386181 - [compiler][null] wrong transition in UnconditionalFlowInfo.mergedWith()
*bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
*Bug 453483 - [compiler][null][loop] Improve null analysis for loops
*Bug 454031 - [compiler][null][loop] bug in null analysis; wrong "dead code" detection
*Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment
*******************************************************************************/

Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/UnconditionalFlowInfo.java
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* Jesper S Moller - Contributions for
*Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
*Bug 406982 - [1.8][compiler] Generation of MethodParameters Attribute in classfile
*Bug 416885 - [1.8][compiler] IncompatibleClassChange error (edit)
*Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas
* Bug 439889 - [1.8][compiler] [lambda] Deserializing lambda fails with IllegalArgumentException: "Invalid lambda deserialization"
*******************************************************************************/

Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/codegen/ConstantPool.java
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* Stephan Herrmann - Contributions for
* bug 349326 - [1.7] new warning for missing try-with-resources
*bug 359334 - Analysis for resource leak warnings does not consider exceptions as method exit points
*bug 358903 - Filter practically unimportant resource leak warnings
*bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
*bug 370639 - [compiler][resource] restore the default for resource leak warnings
*bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
*bug 379784 - [compiler] "Method can be static" is not getting reported
*bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
*bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
*Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*Bug 371614 - [compiler][resource] Wrong "resource leak" problem on return/throw inside while loop
*Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment
*Bug 444964 - [1.7][resource] False resource leak warning (try-with-resources for ByteArrayOutputStream - return inside for loop)
*Bug 396575 - [compiler][resources] Incorrect Errors/Warnings check for potential resource leak when surrounding with try-catch
* Jesper S Moller <jesper@selskabet.org> - Contributions for
*bug 378674 - "The method can be declared as static" is wrong
* Keigo Imai - Contribution for bug 388903 - Cannot extend inner class as an anonymous class when it extends the outer class
*******************************************************************************

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/BlockScope.java
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*
* JavadocMissingParamName
* JavadocDuplicateParamName
* JavadocInvalidParamName
* JavadocMissingReturnTag
* JavadocDuplicateReturnTag
* JavadocMissingThrowsTag
* JavadocMissingThrowsClassName
* JavadocInvalidThrowsClass
* JavadocDuplicateThrowsClassName
* JavadocInvalidSeeReference
* JavadocInvalidSeeReference
* JavadocInvalidSeeHref
* JavadocInvalidSeeArgs
* JavadocMissing
* JavadocMissingTag
* JavadocMessagePrefix
* EmptyControlFlowStatement
* IBM Corporation - added the following constants
* IllegalUsageOfQualifiedTypeReference
* InvalidDigit
* IBM Corporation - added the following constants
* ParameterAssignment
* FallthroughCase
* IBM Corporation - added the following constants
  * UnusedLabel
  * UnnecessaryNLSTag
  * LocalVariableMayBeNull
  * EnumConstantsCannotBeSurroundedByParenthesis
  * JavadocMissingIdentifier
  * JavadocNonStaticTypeFromStaticInvocation
  * RawTypeReference
  * NoAdditionalBoundAfterTypeVariable
  * UnsafeGenericArrayForVarargs
  * IllegalAccessFromTypeVariable
  * AnnotationValueMustBeArrayInitializer
  * InvalidEncoding
  * CannotReadSource
  * EnumStaticFieldInInitializerContext
  * ExternalProblemNotFixable
  * ExternalProblemFixable
* IBM Corporation - added the following constants
  * AnnotationValueMustBeAnEnumConstant
  * OverridingMethodWithoutSuperInvocation
  * MethodMustOverrideOrImplement
  * TypeHidingTypeParameterFromType
  * TypeHidingTypeParameterFromMethod
  * TypeHidingType
* IBM Corporation - added the following constants
* NullLocalVariableReference
* PotentialNullLocalVariableReference
* RedundantNullCheckOnNullLocalVariable
* NullLocalVariableComparisonYieldsFalse
* RedundantLocalVariableNullAssignment
* NullLocalVariableInstanceofYieldsFalse
* RedundantNullCheckOnNonNullLocalVariable
* NonNullLocalVariableComparisonYieldsFalse
* IBM Corporation - added the following constants
* InvalidUsageOfTypeParametersForAnnotationDeclaration
* InvalidUsageOfTypeParametersForEnumDeclaration
* IBM Corporation - added the following constants
* RedundantSuperinterface
* Benjamin Muskalla - added the following constants
* MissingSynchronizedModifierInInheritedMethod
* Stephan Herrmann - added the following constants
* UnusedObjectAllocation
* PotentiallyUnclosedCloseable
* PotentiallyUnclosedCloseableAtExit
* UnclosedCloseable
* UnclosedCloseableAtExit
* ExplicitlyClosedAutoCloseable
* RequiredNonNullButProvidedNonNull
* RequiredNonNullButProvidedPotentialNull
* RequiredNonNullButProvidedUnknown
* NullAnnotationNameMustBeQualified
* IllegalReturnNullityRedefinition
* IllegalRedefinitionToNonNullParameter
* IllegalDefinitionToNonNullParameter
* ParameterLackingNonNullAnnotation
* ParameterLackingNullableAnnotation
* PotentiallyNullMessageSendReference
* RedundantNullCheckOnNonNullMessageSend
* CannotImplementIncompatibleNullness
* RedundantNullAnnotation
* RedundantNullDefaultAnnotation
* RedundantNullDefaultAnnotationPackage
* RedundantNullDefaultAnnotationType
* RedundantNullDefaultAnnotationMethod
* ContradictoryNullAnnotations
* IllegalAnnotationForBaseType
* RedundantNullCheckOnSpecdNonNullLocalVariable
* SpecdNonNullLocalVariableComparisonYieldsFalse
* RequiredNonNullButProvidedSpecdNullable
* MissingDefaultCase
* MissingEnumConstantCaseDespiteDefault
* UninitializedLocalVariableHintMissingDefault
*UninitializedBlankFinalFieldHintMissingDefault
*ShouldReturnValueHintMissingDefault
*IllegalModifierForInterfaceDefaultMethod
*InheritedDefaultMethodConflictsWithOtherInherited
*ConflictingNullAnnotations
*ConflictingInheritedNullAnnotations
*UnsafeElementTypeConversion
*ArrayReferencePotentialNullReference
*DereferencingNullableExpression
*NullityMismatchingTypeAnnotation
*NullityMismatchingTypeAnnotationSuperHint
*NullityUncheckedTypeAnnotationDetail
*NullityUncheckedTypeAnnotationDetailSuperHint
*NullableFieldReference
*UninitializedNonNullField
*UninitializedNonNullFieldHintMissingDefault
*NonNullMessageSendComparisonYieldsFalse
*RedundantNullCheckOnNonNullSpecdField
*NonNullSpecdFieldComparisonYieldsFalse
*NonNullExpressionComparisonYieldsFalse
*RedundantNullCheckOnNonNullExpression
*ReferenceExpressionParameterNullityMismatch
*ReferenceExpressionParameterNullityUnchecked
*ReferenceExpressionReturnNullRedef
*ReferenceExpressionReturnNullRedefUnchecked
*DuplicateInheritedDefaultMethods
*SuperAccessCannotBypassDirectSuper
*SuperCallCannotBypassOverride
*ConflictingNullAnnotations
*ConflictingInheritedNullAnnotations
*UnsafeElementTypeConversion
*PotentialNullUnboxing
*NullUnboxing
*NullExpressionReference
*PotentialNullExpressionReference
*RedundantNullCheckAgainstNonNullType
*NullAnnotationUnsupportedLocation
*NullAnnotationUnsupportedLocationAtType
*NullityMismatchTypeArgument
*ContradictoryNullAnnotationsOnBound
*UnsafeNullnessCast
*ContradictoryNullAnnotationsInferred
*NonNullDefaultDetailIsNotEvaluated
*NonNullNotCompatibleToFreeTypeVariable
*NullityMismatchAgainstFreeTypeVariable
*ImplicitObjectBoundNonNullDefault
*IllegalParameterNullityRedefinition
*ContradictoryNullAnnotationsInferredFunctionType
*IllegalReturnValueRedefinitionFreeTypeVariable
*UnlikelyCollectionMethodArgumentType
*UnlikelyEqualsArgumentType
*Jesper S Moller - added the following constants
*TargetTypeNotAFunctionalInterface
*OuterLocalMustBeEffectivelyFinal
*IllegalModifiersForPackage
*DuplicateAnnotationNotMarkedRepeateable
*DisallowedTargetForContainerAnnotation
*RepeatedAnnotationWithContainerAnnotation
*ContainingAnnotationMustHaveValue
*ContainingAnnotationHasNonDefaultMembers
*ContainingAnnotationHasWrongValueType
*ContainingAnnotationHasShorterRetention
*RepeatableAnnotationHasTargets
*RepeatableAnnotationTargetMismatch
*RepeatableAnnotationIsDocumented
*RepeatableAnnotationIsInherited
*RepeatableAnnotationWithRepeatingContainerAnnotation
*VarLocalMultipleDeclarators
*VarLocalCannotBeArray
*VarLocalReferencesItself
*VarLocalWithoutInitializer
*VarLocalInitializedToNull
*VarLocalCannotBeArrayInitializers
*VarLocalCannotBeLambda
*VarLocalCannotBeMethodReference
*VarIsReserved
*VarIsReservedInFuture
*VarIsNotAllowedHere
******************************************************************************/

Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/core/compiler/IProblem.java

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 * Contributors:
 * IBM Corporation - initial API and implementation
 * Stephan Herrmann - Contributions for
 * bug 186342 - [compiler][null] Using annotations for null checking
 * bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
 * bug 331649 - [compiler][null] consider null annotations for fields
 * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
 * Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
 * Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
 * Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
 * Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
 * Bug 424728 - [1.8][null] Unexpected error: The nullness annotation 'XXXX' is not applicable at this location
 * Bug 392245 - [1.8][compiler][null] Define whether / how @NonNullByDefault applies to TYPE_USE locations
 * Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
 * Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
 * Bug 457210 - [1.8][compiler][null] Wrong Nullness errors given on full build build but not on incremental build?
 * Bug 469584 - ClassCastException in Annotation.detectStandardAnnotation (320)
 * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
 * Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
 * Bug 409517 - [1.8][compiler] Type annotation problems on more elaborate array references
 * Bug 415397 - [1.8][compiler] Type Annotations on wildcard type argument dropped
 * Bug 414384 - [1.8] type annotation on abbreviated inner class is not marked as inner type
 * Jesper S Moller <jesper@selskabet.org> - Contributions for
 * Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
 * Bug 412151 - [1.8][compiler] Check repeating annotation's collection type
 * Bug 412149 - [1.8][compiler] Emit repeated annotations into the designated container
 * Bug 419209 - [1.8] Repeating container annotations should be rejected in the presence of annotation it contains
 *******************************************************************************/
Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Annotation.java
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredRequiresStatement.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModuleStatement.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModuleReference.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ExportsStatement.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredExportsStatement.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredOpensStatement.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ModuleStatement.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredPackageVisibilityStatement.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredProvidesStatement.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredUsesStatement.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredExport.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredTypeReference.java
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* het@google.com - Bug 441790
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  * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
    * Bug 407191 - [1.8] Binary access support for type annotations

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*bug 383368 - [compiler][null] syntactic null analysis for field references
*bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
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* Stephen Herrmann <stephan@cs.tu-berlin.de> - Contributions for
*bug 317046 - Exception during debugging when hover mouse over a field
*bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
*bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
*bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
*Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations
*Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
*Bug 424712 - [1.8][compiler] NPE in TypeBinding.isProvablyDistinctTypeArgument
*Bug 426792 - [1.8][inference][impl] generify new type inference engine
*Bug 426764 - [1.8] Presence of conditional expression as method argument confuses compiler
*Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
*Bug 427626 - [1.8] StackOverflow while typing new ArrayList<String>().toArray( and asking for code completion
*Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
*Bug 435962 - [RC2] StackOverflowError when building
*Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
*Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
*Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
*Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations
* Jesper S Mollear <jesper@selskabet.org> - Contributions for
*bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
*bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
* 
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Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/TypeBinding.java
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/lookup/SortedSimpleNameVector.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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* Stephan Herrmann - Contributions for
* Bug 186342 - [compiler][null] Using annotations for null checking
* Bug 365519 - editorial cleanup after bug 186342 and bug 365387
* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
* Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
* Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
* Bug 438012 - [1.8][null] Bogus Warning: The nullness annotation is redundant with a default that applies to this location
* Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 409246 - [1.8][compiler] Type annotations on catch parameters not handled properly

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* Bug 186342 - [compiler][null] Using annotations for null checking
* Bug 365519 - editorial cleanup after bug 186342 and bug 365387
* Bug 365351 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
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*Bug 428352 - [1.8][compiler] Resolution errors don't always surface
*Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)
*Bug 441734 - [1.8][inference] Generic method with nested parameterized type argument fails on method reference
*Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
*Bug 456487 - [1.8][null] @Nullable type variant of @NonNull-constrained type parameter causes grief
*Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null
*Bug 472618 - [compiler][null] assertNotNull vs. Assert.assertNotNull
*Bug 470958 - [1.8] Unable to convert lambda
*Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.
  * Jesper S Moller - Contributions for
*Bug 378674 - "The method can be declared as static" is wrong
  * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
    * Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
    * Bug 409245 - [1.8][compiler] Type annotations dropped when call is routed through a synthetic bridge method
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*bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
*Bug 453483 - [compiler][null][loop] Improve null analysis for loops
*Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/MessageSend.java

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*bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
*Bug 453483 - [compiler][null][loop] Improve null analysis for loops
*Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment
*******************************************************************************

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*bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE
*bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
*bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/RecoveredModule.java
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Bug 428811 - [1.8][compiler] Type witness unnecessarily required
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  * Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
  * bug 185682 - Increment/decrement operators mark local variables as read
  * bug 331649 - [compiler][null] consider null annotations for fields
  * Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
  * Bug 447088 - [null] @Nullable on fully qualified field type is ignored
  * Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
  * Bug 458366 - NPE in CodeStream.invoke()
  * Bug 446217 - [null] @NonNullByDefault in package-info.java causes bogus "null type safety" warning
  * Till Brychcy - Contribution for
  * bug 467094 - [1.8][null] TYPE_USE NullAnnotations of array contents are applied to field.
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Bug 425798 - [1.8][compiler] Another NPE in ConstraintTypeFormula.reduceSubType

Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error

Bug 426563 - [1.8] AIOOBE when method with error invoked with lambda expression as argument

Bug 426792 - [1.8][inference][impl] generify new type inference engine

Bug 428294 - [1.8][compiler] Type mismatch: cannot convert from List<Object> to Collection<Object[]>

Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource

Bug 416182 - [1.8][compiler][null] Contradictory null annotations not rejected

Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

Bug 438179 - [1.8][null] 'Contradictory null annotations' error on type variable with explicit null-annotation.

Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull

Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations

Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

Bug 456508 - Unexpected RHS PolyTypeBinding for: <code-snippet>

Bug 390064 - [compiler][resource] Resource leak warning missing when extending parameterized class

Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

Contributions for bug 381345 : [1.8] Take care of the Java 8 major version

Bug 438179 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

Bug 425798 - [1.8][compiler] Another NPE in ConstraintTypeFormula.reduceSubType

Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error

Bug 426563 - [1.8] AIOOBE when method with error invoked with lambda expression as argument

Bug 426792 - [1.8][inference][impl] generify new type inference engine

Bug 428294 - [1.8][compiler] Type mismatch: cannot convert from List<Object> to Collection<Object[]>

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Bug 416182 - [1.8][compiler][null] Contradictory null annotations not rejected

Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables

Bug 438179 - [1.8][null] 'Contradictory null annotations' error on type variable with explicit null-annotation.

Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull

Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations

Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations

Bug 456508 - Unexpected RHS PolyTypeBinding for: <code-snippet>

Bug 390064 - [compiler][resource] Resource leak warning missing when extending parameterized class

Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
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* IBM Corporation - initial API and implementation
* Stephan Herrmann - Contributions for
*bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE
*bug 383368 - [compiler][null] syntactic null analysis for field references
*bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
*bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
*Bug 422796 - [compiler][null] boxed boolean reported as potentially null after null test in lazy disjunction
*******************************************************************************
Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/ast/OR_OR_Expression.java
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* Contributors:
* IBM Corporation - initial API and implementation
* Tom Tromey - patch for readTable(String) as described in http://bugs.eclipse.org/bugs/show_bug.cgi?id=32196
* Stephan Herrmann - Contributions for
*bug 366003 - CCE in ASTNode.resolveAnnotations(ASTNode.java:639)
*bug 374605 - Unreasonable warning for enum-based switch statements
*bug 393719 - [compiler] inconsistent warnings on iteration variables
*bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.
*bug 383973 - [1.8][compiler] syntax recovery in the presence of default methods
*bug 401035 - [1.8] A few tests have started failing recently
* Jesper S Moller - Contributions for
*bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
*bug 399695 - [1.8][compiler] [1.8][compiler] migrate parser to other syntax for default methods
*bug 384567 - [1.5][compiler] Compiler accepts illegal modifiers on package declaration
*bug 393192 - Incomplete type hierarchy with > 10 annotations
*bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
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* Andy Clement - Contributions for
  * Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
  * Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation
  * Bug 415821 - [1.8][compiler] CLASS_EXTENDS target type annotation missing for anonymous classes

Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/parser/Parser.java

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* IBM Corporation - initial API and implementation
* Stephan Herrmann - Contributions for
* bug 292478 - Report potentially null across variable assignment
* bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
* bug 331649 - [compiler][null] consider null annotations for fields
* bug 383368 - [compiler][null] syntactic null analysis for field references
* bug 400761 - [compiler][null] null may be return as boolean without a diagnostic
* bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
*Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*Bug 426792 - [1.8][inference][impl] generify new type inference engine
*Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
*Bug 426996 - [1.8][inference] try to avoid method Expression.unresolve()?
*Bug 428274 - [1.8] [compiler] Cannot cast from Number to double
*Bug 428352 - [1.8][compiler] Resolution errors don't always surface
*Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
* Bug 473178

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  * Benjamin Muskalla - Contribution for bug 239066
  * Stephan Herrmann - Contributions for
    * bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used
    * bug 295551 - Add option to automatically promote all warnings to errors
    * bug 349326 - [1.7] new warning for missing try-with-resources
    * bug 186342 - [compiler][null] Using annotations for null checking
    * bug 370639 - [compiler][resource] restore the default for resource leak warnings
    * bug 366063 - Compiler should not add synthetic @NonNull annotations
    * bug 374605 - Unreasonable warning for enum-based switch statements
    * bug 388281 - [compiler][null] inheritance of null annotations as an option
    * bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated
    * bug 383368 - [compiler][null] syntactic null analysis for field references
    * Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
    * Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Objects), Collection#remove(Objects) et al.
  * Jesper Steen Moller - Contributions for
    * bug 404146 - [1.7][compiler] nested try-catch-finally-blocks leads to unrunnable Java byte code
    * bug 407297 - [1.8][compiler] Control generation of parameter names by option

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*bug 331649 - [compiler][null] consider null annotations for fields
*Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*Bug 458396 - NPE in CodeStream.invoke()
*******************************************************************************

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jar/org/eclipse/jdt/internal/compiler/lookup/VariableBinding.java
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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
*bug 328281 - visibility leaks not detected when analyzing unused field in private class
*bug 349326 - [1.7] new warning for missing try-with-resources
*bug 186342 - [compiler][null] Using annotations for null checking
*bug 365836 - [compiler][null] Incomplete propagation of null defaults.
*bug 365519 - editorial cleanup after bug 186342 and bug 365387
*bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
*bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
*bug 366063 - Compiler should not add synthetic @NonNull annotations
*bug 384663 - Package Based Annotation Compilation Error in JDT 3.8/4.2 (works in 3.7.2)
*bug 386356 - Type mismatch error with annotations and generics
*bug 388281 - [compiler][null] inheritance of null annotations as an option
*bug 331649 - [compiler][null] consider null annotations for fields
*bug 380896 - [compiler][null] Enum constants not recognised as being NonNull.
*bug 391376 - [1.8] check interaction of default methods with bridge methods and generics
*Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
*Bug 416172 - [1.8][compiler][null] null type annotation not evaluated on method return type
*Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*Bug 426048 - [1.8] NPE in TypeVariableBinding.internalBoundCheck when parentheses are not balanced
*Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*Bug 432348 - [1.8] Internal compiler error (NPE) after upgrade to 1.8
*Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
*Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect “throws E”
*Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
*Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
*Bug 457210 - [1.8][compiler][null] Wrong Nullness errors given on full build build but not on incremental build?
*Bug 461250 - ArrayIndexOutOfBoundsException in SourceTypeBinding.fields
*Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
  * Jesper S Moller <jesper@selskabet.org> - Contributions for
*Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
  * Till Brychcy - Contributions for
*  * bug 415269 - NonNullByDefault is not always inherited to nested classes
*  * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*  * Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas
*  * Sebastian Zarnekow - Contributions for
*bug 544921 - [performance] Poor performance with large source files

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/SourceTypeBinding.java

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* bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/ast/UsesStatement.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/env/PackageExportImpl.java

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*   bug 383368 - [compiler][null] syntactic null analysis for field references
*   Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*Bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking
*Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
*Bug 466713 - Null Annotations: NullPointerException using <int @Nullable[]> as Type Param
* Andy Clement - Contributions for
* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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*bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
*bug 401030 - [1.8][null] Null analysis support for lambda methods.
*Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
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*bug 384380 - False positive on a "Potential null pointer access" after a continue
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* *bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
* Bug 384687 - [1.8] Wildcard type arguments should be rejected for lambda and reference expressions
* *Bug 416885 - [1.8][compiler]IncompatibleClassChange error (edit)
* Stephan Herrmann - Contribution for
* *bug 402028 - [1.8][compiler] null analysis for reference expressions
* *bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super via L.super.m() syntax
* *Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* *Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
* *Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* *Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
* *Bug 424637 - [1.8][compiler][null] AIOOB in ReferenceExpression.resolveType with a method reference to Files::walk
* *Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
* *Bug 424403 - [1.8][compiler] Generic method call with method reference argument fails to resolve properly.
* *Bug 427196 - [1.8][compiler] Compiler error for method reference to overloaded method
* *Bug 427438 - [1.8][compiler] NPE at org.eclipse.jdt.internal.compiler.ast.ConditionalExpression.generateCode(ConditionalExpression.java:280)
* *Bug 428264 - [1.8] method reference of generic class causes problems (wrong inference result or NPE)
* *Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
* *Bug 426537 - [1.8][inference] Eclipse compiler thinks I<? super J> is compatible with I<J<?>>> - raw type J involved
* *Bug 435570 - [1.8][null] @NonNullByDefault illegally tries to affect "throws E"
* *Bug 435689 - [1.8][inference] Type inference not occurring with lambda expression and method reference
* *Bug 438383 - [1.8][null] Bogus warning: Null type safety at method return type
* *Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
* *Bug 441734 - [1.8][inference] Generic method with nested parameterized type argument fails on method reference
* *Bug 438945 - [1.8] NullPointerException InferenceContext18.checkExpression in java 8 with generics, primitives, and overloading
* *Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression

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Bug 448709 - [1.8][null] ensure we don't infer types that violate null constraints on a type parameter's bound
Bug 459967 - [null] compiler should know about nullness of special methods like MyEnum.valueOf()
Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
Bug 470542 - NullPointerException in ReferenceExpression.isPotentiallyCompatibleWith (962)

Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contribution for
Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)

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*bug 349326 - [1.7] new warning for missing try-with-resources
*bug 186342 - [compiler][null] Using annotations for null checking
*bug 364890 - BinaryTypeBinding should use char constants from Util
*bug 365387 - [compiler][null] bug 186342: Issues to follow up post review and verification.
*bug 358903 - Filter practically unimportant resource leak warnings
*bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
*bug 388800 - [1.8][compiler] detect default methods in class files
*bug 388281 - [compiler][null] inheritance of null annotations as an option
*bug 331649 - [compiler][null] consider null annotations for fields
*bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
*Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*Bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
*Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource
*Bug 392245 - [1.8][compiler][null] Define whether / how @NonNullByDefault applies to TYPE_USE locations
*Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*Bug 390889 - [1.8][compiler] Evaluate options to support 1.7- projects against 1.8 JRE.
*Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
*Bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type
*Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations
*Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
*Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
*Bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
*Bug 453475 - [1.8][null] Contradictory null annotations (4.5 M3 edition)
*Bug 454182 - Internal compiler error when using 1.8 compliance for simple project
*Bug 470467 - [null] Nullness of special Enum methods not detected from .class file
*Bug 447661 - [1.8][null] Incorrect ‘expression needs unchecked conversion’ warning
* Jesper Steen Moller - Contributions for
*Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation processing
*Bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
* Sebastian Zarnekow - Contributions for
*bug 544921 - [performance] Poor performance with large source files
* Alexander Lehmann - Contributions for
*bug 566258 - Intermittent NPE in APT RoundDispatcher
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  jar/org/eclipse/jdt/internal/compiler/env/ISourceField.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/env/IBinaryNestedType.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/env/IGenericMethod.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/env/ISourceMethod.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/env/IGenericType.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/env/IGenericField.java
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* Jesper S Moller - Contributions for
* Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
* Bug 406982 - [1.8][compiler] Generation of MethodParameters Attribute in classfile
* Bug 416885 - [1.8][compiler] IncompatibleClassChange error (edit)
* Bug 412149 - [1.8][compiler] Emit repeated annotations into the designated container
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 383624 - [1.8][compiler] Revive code generation support for type annotations (from Olivier's work)
* Bug 409236 - [1.8][compiler] Type annotations on intersection cast types dropped by code generator
* Bug 409246 - [1.8][compiler] Type annotations on catch parameters not handled properly
Bug 415541 - [1.8][compiler] Type annotations in the body of static initializer get dropped
Bug 415399 - [1.8][compiler] Type annotations on constructor results dropped by the code generator
Bug 415470 - [1.8][compiler] Type annotations on class declaration go vanishing
Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas
Bug 434556 - Broken class file generated for incorrect annotation usage
Bug 442416 - $deserializeLambda$ missing cases for nested lambdas
Stephan Herrmann - Contribution for
Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
Olivier Tardieu tardieu@us.ibm.com - Contributions for
Bug 442416 - $deserializeLambda$ missing cases for nested lambdas

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*bug 186342 - [compiler][null] Using annotations for null checking
*bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*bug 388281 - [compiler][null] inheritance of null annotations as an option
*Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*******************************************************************************

Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ClassFile.java
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* Stephan Herrmann - Contributions for
* bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE
* bug 349326 - [1.7] new warning for missing try-with-resources
* bug 345305 - [compiler][null] Compiler misidentifies a case of “variable can only be null”
* bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
* Bug 415790 - [compiler][resource] Incorrect potential resource leak warning in for loop with close in try/catch
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Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/WhileStatement.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ForStatement.java

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* Stephan Herrmann - Contribution for bug 349326 - [1.7] new warning for missing try-with-resources
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/Substitution.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/CompilationUnit.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/problem/DefaultProblem.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/LabeledStatement.java
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* Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
* Bug 473178
* IBM Corporation - Bug fixes
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* Stephan Herrmann - Contributions for
*bug 349326 - [1.7] new warning for missing try-with-resources
*bug 186342 - [compiler][null] Using annotations for null checking
*bug 365519 - editorial cleanup after bug 186342 and bug 365387
*bug 358903 - Filter practically unimportant resource leak warnings
*bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
*bug 388281 - [compiler][null] inheritance of null annotations as an option
*bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
*bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
*bug 400421 - [compiler] Null analysis for fields does not take @com.google.inject.Inject into account
*bug 382069 - [null] Make the null analysis consider JUnit's assertNotNull similarly to assertions
*bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
*Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*Bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations
*Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*Bug 416176 - [1.8][compiler][null] null type annotations cause grief on type variables
*Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
*Bug 426792 - [1.8][inference][impl] generify new type inference engine
*Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
*Bug 427199 - [1.8][resource] avoid resource leak warnings on Streams that have no resource
*Bug 418743 - [1.8][null] contradictory annotations on invocation of generic method not reported
*Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*Bug 431581 - Eclipse compiles what it should not
*Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
*Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
*Bug 446442 - [1.8] merge null annotations from super methods
*Bug 456532 - [1.8][null] ReferenceBinding.appendNullAnnotation() includes phantom annotations in error messages
*Bug 410218 - Optional warning for arguments of "unexpected" types to Map#get(Object), Collection#remove(Object) et al.
* Jesper S Moller - Contributions for
*bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
*bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
*bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
* Ulrich Grave <ulrich.grave@gmx.de> - Contributions for
* bug 386692 - Missing "unused" warning on "autowired" fields
* Pierre-Yves B. <pyvesdev@gmail.com> - Contribution for
* bug 542520 - [JUnit 5] Warning The method xxx from the type X is never used locally is shown when using MethodSource
* Sebastian Zarnekow - Contributions for
*bug 544921 - [performance] Poor performance with large source files
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* * Stephan Herrmann - Contribution for
* *Bug 365992 - [builder] [null] Change of nullness for a parameter doesn't trigger a build for the files that call the
* *method
* *Bug 440477 - [null] Infrastructure for feeding external annotations into compilation
* *Bug 440687 - [compiler][batch][null] improve command line option for external annotations
* * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* * Bug 407191 - [1.8] Binary access support for type annotations
*****************************************************************************

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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 * tyeung@bea.com - initial API and implementation
 */
* olivier_thomann@ca.ibm.com - add hashCode() and equals(..) methods
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  jar/org/eclipse/jdt/internal/compiler/env/EnumConstantSignature.java
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/env/ClassSignature.java
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* Walter Harley - Patch for ensuring the parent folders are created
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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  *         Bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
  *         Bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
  *         Bug 416885 - [1.8][compiler] IncompatibleClassChange error (edit)
  *     Stephan Herrmann - Contribution for
  *         Bug 401030 - [1.8][null] Null analysis support for lambda methods.
  *         Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
  *         Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
  *         Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
  *         Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
  *         Bug 425142 - [1.8][compiler] NPE in ConstraintTypeFormula.reduceSubType
  *         Bug 425153 - [1.8] Having wildcard allows incompatible types in a lambda expression
  *         Bug 424205 - [1.8] Cannot infer type for diamond type with lambdas on method invocation
  *         Bug 425798 - [1.8][compiler] Another NPE in ConstraintTypeFormula.reduceSubType
  *         Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error
  *         Bug 424403 - [1.8][compiler] Generic method call with method reference argument fails to resolve properly.
  *         Bug 426563 - [1.8] AIOOBE when method with error invoked with lambda expression as argument
  *         Bug 420525 - [1.8][compiler] Incorrect error "The type Integer does not define sum(Object, Object) that is applicable here"
  *         Bug 427438 - [1.8][compiler] NPE at org.eclipse.jdt.internal.compiler.ast.LambdaExpression.java:280
  *         Bug 428294 - [1.8][compiler] Type mismatch: cannot convert from List<Object> to Collection<Object[]>
  *         Bug 428786 - [1.8][compiler] Inference needs to compute the "ground target type" when reducing a lambda compatibility constraint
  *         Bug 428980 - [1.8][null] simple expression as lambda body doesn’t leverage null annotation on argument
  *         Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)
  *         Bug 432110 - [1.8][compiler] nested lambda type incorrectly inferred vs javac
  *         Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
  *         Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
  *         Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
  *         Bug 453483 - [compiler][null][loop] Improve null analysis for loops
  *         Bug 455723 - Nonnull argument not correctly inferred in loop
  *         Bug 463728 - [1.8][compiler][inference] Ternary operator in lambda derives wrong type
  *     Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
  *         Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas

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*  
*bug 359334 - Analysis for resource leak warnings does not consider exceptions as method exit points
*bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
*bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*Bug 429430 - [1.8] Lambdas and method reference infer wrong exception type with generics (RuntimeException instead of IOException)
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* IBM Corporation - initial API and implementation
* Luiz-Otavio Zorzella <zorzella at gmail dot com> - Improve CamelCase algorithm
* Gábor Kövesdán - Contribution for Bug 350000 - [content assist] Include non-prefix matches in auto-complete suggestions
* Stefan Xenos <sxenos@gmail.com> (Google) - Bug 501283 - Lots of hash collisions during indexing
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* Erling Ellingsen - patch for bug 125570
* Stephan Herrmann - Contribution for
* Bug 429958 - [1.8][null] evaluate new @NonNullLocation attribute of @NonNullByDefault
* Bug 434570 - Generic type mismatch for parametrized class annotation attribute with inner class
* Sebastian Zarnekow - Contribution for
* Bug 544921 - [performance] Poor performance with large source files
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* Bug 440687 - [compiler][batch][null] improve command line option for external annotations
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* Bug 473178

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/ClasspathDirectory.java

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* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
* bug 185682 - Increment/decrement operators mark local variables as read
* bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
* bug 331649 - [compiler][null] consider null annotations for fields
* bug 383368 - [compiler][null] syntactic null analysis for field references
* bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* Bug 411964 - [1.8][null] leverage null type annotation in foreach statement
* Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null

Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/Reference.java

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* Stephan Herrmann - initial API and implementation
Lars Vogel <Lars.Vogel@vogella.com> - Contributions for
Bug 473178
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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* Contributors:
* wharley@bea.com - derived base class from BatchMessagerImpl
*
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*   Stephan Herrmann - Contributions for
*   Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*     Bug 415397 - [1.8][compiler] Type Annotations on wildcard type argument dropped
*   Stephan Herrmann - Contribution for
*     Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*   Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*   Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*******************************************************************************
Bug 440462 - [null][compiler]NPE in EJC for erroneous null annotations

Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull

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*Bug 452788 - [1.8][compiler] Type not correctly inferred in lambda expression
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*Bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
*Bug 417295 - [1.8][null] Message type annotated null analysis to gel well with deep encoded type bindings.
*Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables
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* Bug 186342 - [compiler][null] Using annotations for null checking
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
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* Contributors:
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 407191 - [1.8] Binary access support for type annotations

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/classfmt/TypeAnnotationInfo.java
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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/flow/FieldInitsFakingFlowContext.java
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*bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*bug 383368 - [compiler][null] syntactic null analysis for field references
*bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
* Jesper S Moller - Contributions for
*bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
*******************************************************************************/

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
  jar/org/eclipse/jdt/internal/compiler/ast/CompoundAssignment.java
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*bug 292478 - Report potentially null across variable assignment,
*bug 185682 - Increment/decrement operators mark local variables as read
*bug 331649 - [compiler][null] consider null annotations for fields
*bug 383368 - [compiler][null] syntactic null analysis for field references
*Bug 412203 - [compiler] Internal compiler error: java.lang.IllegalArgumentException: info cannot be null
*Bug 458396 - NPE in CodeStream.invoke()
*Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null
* Jesper S Moller - <jesper@selskabet.org> - Contributions for
* bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
*bug 378674 - "The method can be declared as static" is wrong
*bug 404657 - [1.8][compiler] Analysis for effectively final variables fails to consider loops
*bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type
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* IBM Corporation - Bug 513790
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*BUG 378674 - "The method can be declared as static" is wrong
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* /opt/cola/permits/1349017544_1655880808.03160988/0/ecj-3-26-0-sources-2-
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*bug 186342 - [compiler][null] Using annotations for null checking
*bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
*Bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*bug 413958 - Function override returning inherited Generic Type

Open Source Used In Cisco Prime Access Registrar 9.3 1347
* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 424710 - [1.8][compiler] CCE in SingleNameReference.localVariableBinding
* Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
* Bug 418743 - [1.8][null] contradictory annotations on invocation of generic method not reported
* Bug 416182 - [1.8][compiler][null] Contradictory null annotations not rejected
* Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
* Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations
* Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
* Bug 446442 - [1.8] merge null annotations from super methods
* Bug 457079 - Regression: type inference

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Found in path(s):
/ /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/ParameterizedGenericMethodBinding.java

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 * 
 * Bug 434602 - Possible error with inferred null annotations leading to contradictory null annotations
 * Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability analysis
 * Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability analysis
 * Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability analysis
 * Bug 456497 - [1.8][null] during inference nullness from target type is lost against weaker hint from applicability analysis
 * 
 * Cache the derived type, tagging it as a derivative of both the key type and the naked type.
 * E.g: int @NonNull [] would be tagged as a derived type of both int and int []. This is not needed for correctness, but for annotated object reuse. We provide two alternate ways to annotate a type:

Taking parameterized types as an example, a call to getParameterizedType can be made with annotations to create @NonNull List<@NonNull String> in one stroke. Or a parameterized type can be created first and then annotated via getAnnotatedType. In the former case, the tables get looked up with List as the key, in the latter with List<String> as the key.
Binary vs source, substitutions, annotation re-attribution from SE7 locations etc trigger these alternate code paths. Unless care is exercised, we will end up with duplicate objects (that share the same TypeBinding.id => correctness is not an issue, but memory wastage is)
*/

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  * wharley@bea.com - initial API and implementation
  * IBM Corporation - fix for 342470
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  * Genady Beriozkin - added support for reporting assignment with no effect
  * Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
    * bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE
    * bug 292478 - Report potentially null across variable assignment
      * bug 335093 - [compiler][null] minimal hook for future null annotation support
      * bug 349326 - [1.7] new warning for missing try-with-resources
      * bug 186342 - [compiler] null Using annotations for null checking
      * bug 358903 - Filter practically unimportant resource leak warnings
      * bug 370639 - [compiler][resource] restore the default for resource leak warnings
      * bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
      * bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
      * bug 388996 - [compiler][resource] Incorrect 'potential resource leak'
      * bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
      * bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
      * bug 331649 - [compiler][null] consider null annotations for fields
      * bug 383368 - [compiler][null] syntactic null analysis for field references
      * bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
      * bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
    * Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
    * Bug 427438 - [1.8][compiler] NPE at
Bug 453483 - [compiler][null][loop] Improve null analysis for loops
Bug 407414 - [compiler][null] Incorrect warning on a primitive type being null

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*bug 331649 - [compiler][null] consider null annotations for fields
*Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*Bug 426996 - [1.8][inference] try to avoid method Expression.unresolve()?
* Jesper S Moller - Contributions for
*bug 382721 - [1.8][compiler] Effectively final variables needs special treatment

*******************************************************************************/

Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/NameReference.java
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* Tom Tromey - Contribution for bug 125961
* Tom Tromey - Contribution for bug 159641
* Benjamin Muskalla - Contribution for bug 239066
* Stephan Herrmann - Contributions for
* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used
* bug 295551 - Add option to automatically promote all warnings to errors
* bug 359721 - [options] add command line option for new warning token "resource"
*bug 365208 - [compiler][batch] command line options for annotation based null analysis
*bug 374605 - Unreasonable warning for enum-based switch statements
*bug 375366 - EJC ignores unusedParameterIncludeDocCommentReference unless enableJavadoc option is set
*bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated
*Bug 440477  - [null] Infrastructure for feeding external annotations into compilation
*Bug 440687  - [compiler][batch][null] improve command line option for external annotations
*Bug 408815  - [batch][null] Add CLI option for COMPILER_PB_SYNTACTIC_NULL_ANALYSIS_FOR_FIELDS
* Jesper S Moller - Contributions for
*bug 407297 - [1.8][compiler] Control generation of parameter names by option
* Mat Booth - Contribution for bug 405176
* Frits Jalvingh - fix for bug 533830.

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/batch/Main.java
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/*******************************************************************************/
*bug 367203 - [compiler][null] detect assigning null to nonnull argument
*bug 365519 - editorial cleanup after bug 186342 and bug 365387
*bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
*bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
*bug 388281 - [compiler][null] inheritance of null annotations as an option
*Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
*Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
*Bug 425152 - [1.8] [compiler] Lambda Expression not analyzed but flow analyzed leading to NPE.
*Bug 423505 - [1.8] Implement "18.5.4 More Specific Method Inference"
*Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
*Bug 438012 - [1.8][null] Bogus Warning: The nullness annotation is redundant with a default that applies to this location
*Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable
*Bug 443347 - [1.8][null] @NonNullByDefault should not affect constructor arguments of an anonymous instantiation
*Bug 453805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
*Bug 466713 - Null Annotations: NullPointerException using <int @Nullable []> as Type Param
*Bug 456584 - [1.8][null] Bogus warning for return type variable's @NonNull annotation being 'redundant'
*Bug 471611 - Error on hover on call to generic method with null annotation
* Jesper Steen Moller - Contributions for
*Bug 412150 [1.8] [compiler] Enable reflected parameter names during annotation processing

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* Stephan Herrmann - Contribution for
*Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
*Bug 426676 - [1.8][compiler] Wrong generic method type inferred from lambda expression
*Bug 426542 - [1.8] Most specific method not picked when one method has intersection type as type parameter
*Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation.
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
* Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas

Found in path(s):
* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/lookup/MethodBinding.java
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/*******************************************************************************/
* Jesper S Møller - Contributions for bug 381345 : [1.8] Take care of the Java 8 major version
  * Bug 527554 - [18.3] Compiler support for JEP 286 Local-Variable Type

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*bug 319201 - [null] no warning when unboxing SingleNameReference causes NPE
*bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
*bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
*Bug 422796 - [compiler][null] boxed boolean reported as potentially null after null test in lazy disjunction

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* bug 292478 - Report potentially null across variable assignment
* bug 332637 - Dead Code detection removing code that isn’t dead
*bug 394768 - [compiler][resource] Incorrect resource leak warning when creating stream in conditional
*Bug 411964 - [1.8][null] leverage null type annotation in foreach statement
*Bug 421035 - [resource] False alarm of resource leak warning when casting a closeable in its assignment
*******************************************************************************/

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-
jar/org/eclipse/jdt/internal/compiler/flow/FlowInfo.java
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* Bug 407297: [1.8][compiler] Control generation of parameter names by option
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* Karen Moore - fix for https://bugs.eclipse.org/bugs/show_bug.cgi?id=207411
* Stephan Herrmann <stephan@cs.tu-berlin.de> - Contributions for
* bug 185682 - Increment/decrement operators mark local variables as read
* bug 186342 - [compiler][null] Using annotations for null checking
* bug 365519 - editorial cleanup after bug 186342 and bug 365387
* bug 374605 - Unreasonable warning for enum-based switch statements
* bug 384870 - [compiler] @Deprecated annotation not detected if preceded by other annotation
* bug 393719 - [compiler] inconsistent warnings on iteration variables
* Bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
* Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings.
* Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
* Bug 424742 - [1.8] NPE in LambdaExpression.isCompatibleWith

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*Bug 424710 - [1.8][compiler] CCE in SimpleNameReference.localVariableBinding
*Bug 424205 - [1.8] Cannot infer type for diamond type with lambda on method invocation
*Bug 424415 - [1.8][compiler] Eventual resolution of ReferenceExpression is not seen to be happening.
*Bug 426366 - [1.8][compiler] Type inference doesn't handle multiple candidate target types in outer overload context
*Bug 427282 - [1.8][compiler] AIOOB (-1) at org.eclipse.jdt.internal.compiler.ClassFile.traverse(ClassFile.java:6209)
*Bug 427483 - [Java 8] Variables in lambdas sometimes can't be resolved
*Bug 428352 - [1.8][compiler] Resolution errors don't always surface
*Bug 427163 - [1.8][null] bogus error “Contradictory null specification” on varags
*Bug 432348 - [1.8] Internal compiler error (NPE) after upgrade to 1.8
*Bug 440143 - [1.8][null] one more case of contradictory null annotations regarding type variables
*Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull
*Bug 434483 - [1.8][compiler][inference] Type inference not picked up with method reference
*Bug 446442 - [1.8] merge null annotations from super methods
*Bug 437072 - [compiler][null] Null analysis emits possibly incorrect warning for new int[][] despite @NonNullByDefault
* Jesper S Moller - Contributions for
*bug 382721 - [1.8][compiler] Effectively final variables needs special treatment
*bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
*bug 412153 - [1.8][compiler] Check validity of annotations which may be repeatable
*bug 412149 - [1.8][compiler] Emit repeated annotations into the designated container
*bug 419209 - [1.8] Repeating container annotations should be rejected in the presence of annotation it contains
* Till Brychcy - Contributions for
* bug 467094 - [1.8][null] TYPE_USE NullableAnnotations of array contents are applied to field.

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* /opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/ast/ASTNode.java
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* Stephan Herrmann - Contributions for
* bug 358827 - [1.7] exception analysis for t-w-r spoils null analysis
*bug 186342 - [compiler][null] Using annotations for null checking
*bug 368546 - [compiler][resource] Avoid remaining false positives found when compiling the Eclipse SDK
*Bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
*Bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
*Bug 383368 - [compiler][null] syntactic null analysis for field references
*Bug 402993 - [null] Follow up of bug 401088: Missing warning about redundant null check
*Bug 403086 - [compiler][null] include the effect of 'assert' in syntactic null analysis for fields
*Bug 403147 - [compiler][null] FUP of bug 400761: consolidate interaction between unboxing, NPE, and deferred checking
*Bug 453483 - [compiler][null][loop] Improve null analysis for loops
*Bug 455723 - Nonnull argument not correctly inferred in loop
*Bug 415790 - [compiler][resource]Incorrect potential resource leak warning in for loop with close in try/catch
*Bug 446691 - [1.8][null][compiler] NullPointerException in SingleNameReference.analyseCode
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*Bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*Bug 429958 - [1.8][null] evaluate new DefaultLocation attribute of @NonNullByDefault
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  jar/org/eclipse/jdt/internal/antadapter/messages.properties
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  jar/org/eclipse/jdt/internal/compiler/problem/messages.properties
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* IBM Corporation - Java 8 support

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*bug 395002 - Self bound generic class doesn't resolve bounds properly for wildcards for certain parametrisation.
*bug 331649 - [compiler][null] consider null annotations for fields
*bug 400761 - [compiler][null] null may be return as boolean without a diagnostic
*Bug 429403 - [1.8][null] null mismatch from type arguments is not reported at field initializer
*Bug 453483 - [compiler][null][loop] Improve null analysis for loops
*Bug 458396 - NPE in CodeStream.invoke()
* Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
*Bug 409250 - [1.8][compiler] Various loose ends in 308 code generation

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    * Bug 382701 - [1.8][compiler] Implement semantic analysis of Lambda expressions & Reference expression
    * Bug 405066 - [1.8][compiler][codegen] Implement code generation infrastructure for JSR335
    * Stephan Herrmann - Contribution for
      * Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec)
      * Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference"
      * Bug 425142 - [1.8][compiler] NPE in ConstraintTypeFormula.reduceSubType
      * Bug 425153 - [1.8] Having wildcard allows incompatible types in a lambda expression
      * Bug 425156 - [1.8] Lambda as an argument is flagged with incompatible error
      * Bug 424403 - [1.8][compiler] Generic method call with method reference argument fails to resolve properly.
      * Bug 428352 - [1.8][compiler] Resolution errors don't always surface
      * Bug 446442 - [1.8] merge null annotations from super methods
    * Andy Clement (GoPivotal, Inc) aclement@gopivotal.com - Contributions for
      * Bug 405104 - [1.8][compiler][codegen] Implement support for serializeable lambdas

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 * Jean-Marie Henaff <jmhenaff@google.com> (Google) - Bug 481555
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 * bug 411098 - [compiler][resource] Invalid Resource Leak Warning using ternary operator inside try-with-resource
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*bug 345305 - [compiler][null] Compiler misidentifies a case of "variable can only be null"
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* IBM Corporation - initial API and implementation
* IBM Corporation - Fix for bug 328575
* het@google.com - Bug 415274 - Annotation processing throws a NPE in getElementsAnnotatedWith()

="/opt/cola/permits/1349017544_1655880808.0316098/0/ecj-3-26-0-sources-2-jar/org/eclipse/jdt/internal/compiler/apt/dispatch/RoundEnvImpl.java"

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* bug 236385 - [compiler] Warn for potential programming problem if an object is created but not used
* bug 338303 - Warning about Redundant assignment conflicts with definite assignment
* bug 349326 - [1.7] new warning for missing try-with-resources
* bug 186342 - [compiler][null] Using annotations for null checking
* bug 365519 - editorial cleanup after bug 186342 and bug 365387
*bug 365662 - [compiler][null] warn on contradictory and redundant null annotations
*bug 365531 - [compiler][null] investigate alternative strategy for internally encoding nullness defaults
*bug 365859 - [compiler][null] distinguish warnings based on flow analysis vs. null annotations
*bug 374605 - Unreasonable warning for enum-based switch statements
*bug 382353 - [1.8][compiler] Implementation property modifiers should be accepted on default methods.
*bug 382347 - [1.8][compiler] Compiler accepts incorrect default method inheritance
*bug 388281 - [compiler][null] inheritance of null annotations as an option
*bug 376053 - [compiler][resource] Strange potential resource leak problems
*bug 381443 - [compiler][null] Allow parameter widening from @NonNull to unannotated
*bug 393719 - [compiler] inconsistent warnings on iteration variables
*bug 392862 - [1.8][compiler][null] Evaluate null annotations on array types
*bug 388739 - [1.8][compiler] consider default methods when detecting whether a class needs to be declared abstract
*bug 331649 - [compiler][null] consider null annotations for fields
*bug 382789 - [compiler][null] warn when syntactically-nonnul expression is compared against null
*bug 376590 - Private fields with @Inject are ignored by unused field validation
*bug 400761 - [compiler][null] null may be return as boolean without a diagnostic
*bug 402028 - [1.8][compiler] null analysis for reference expressions
*bug 404649 - [1.8][compiler] detect illegal reference to indirect or redundant super
*bug 392384 - [1.8][compiler][null] Restore nullness info from type annotations in class files
*bug 392099 - [1.8][compiler][null] Apply null annotation on types for null analysis
*bug 415043 - [1.8][null] Follow-up re null type annotations after bug 392099
*bug 415291 - [1.8][null] differentiate type incompatibilities due to null annotations
*bug 415850 - [1.8] Ensure RunJDTCoreTests can cope with null annotations enabled
*bug 414380 - [compiler][internal] QualifiedNameReference#indexOfFirstFieldBinding does not point to the first field
*bug 392238 - [1.8][compiler][null] Detect semantically invalid null type annotations
*bug 416307 - [1.8][compiler][null] subclass with type parameter substitution confuses null checking
*bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS 18.x (Part G of JSR335 spec)
*bug 424637 - [1.8][compiler][null] AIOOB in ReferenceExpression.resolveType with a method reference to Files::walk
*bug 428294 - [1.8][compiler] Type mismatch: cannot convert from List<Object> to Collection<Object[]>
*bug 428366 - [1.8] [compiler] The method valueAt(ObservableList<Object>, int) is ambiguous for the type Bindings
*bug 416190 - [1.8][null] detect incompatible overrides due to null type annotations
*bug 392245 - [1.8][compiler][null] Define whether / how @NonNullByDefault applies to TYPE_USE locations
*bug 390889 - [1.8][compiler] Evaluate options to support 1.7- projects against 1.8 JRE.
*bug 430150 - [1.8][null] stricter checking against type variables
*bug 434600 - Incorrect null analysis error reporting on type parameters
*bug 439516 - [1.8][null] NonNullByDefault wrongly applied to implicit type bound of binary type
*bug 438467 - [compiler][null] Better error position for "The method _ cannot implement the corresponding method _ due to incompatible nullness constraints"
*bug 439298 - [null] "Missing code implementation in the compiler" when using @NonNullByDefault in package-info.java
*bug 435805 - [1.8][compiler][null] Java 8 compiler does not recognize declaration style null annotations
*bug 446442 - [1.8] merge null annotations from super methods
*bug 455723 - Nonnull argument not correctly inferred in loop
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* * bug 349326 - [1.7] new warning for missing try-with-resources */
* * bug 359362 - FUP of bug 349326: Resource leak on non-Closeable resource */
* *bug 358903 - Filter practically unimportant resource leak warnings */
* *Bug 417295 - [1.8][null] Massage type annotated null analysis to gel well with deep encoded type bindings. */
* *Bug 400874 - [1.8][compiler] Inference infrastructure should evolve to meet JLS8 18.x (Part G of JSR335 spec) */
* *Bug 423504 - [1.8] Implement "18.5.3 Functional Interface Parameterization Inference" */
* *Bug 426676 - [1.8][compiler] Wrong generic method type inferred from lambda expression */
* *Bug 427411 - [1.8][generics] JDT reports type mismatch when using method that returns generic type */
* *Bug 428019 - [1.8][compiler] Type inference failure with nested generic invocation. */
* *Bug 435962 - [RC2] StackOverFlowError when building */
* *Bug 438458 - [1.8][null] clean up handling of null type annotations wrt type variables */
* *Bug 440759 - [1.8][null] @NonNullByDefault should never affect wildcards and uses of a type variable */
* *Bug 441693 - [1.8][null] Bogus warning for type argument annotated with @NonNull */
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* Bug 432977 - [1.8][null] Incorrect 'type is not visible' compiler error
* Bug 446434 - [1.8][null] Enable interned captures also when analysing null type annotations
*******************************************************************************/

/** Taking the binding of QTR as an example, there could be different annotatable components, but we come in a
with a single binding, e.g:
  @T Z;              type => Z  annotations => [@T]
  @T Y.@T Z          type => Z  annotations => [@T][@T]
  @T X.@T Y.@T Z     type => Z  annotations => [@T][@T][@T]
  java.lang.@T X.@T Y.@T Z type => Z  annotations => [[[@T][@T][@T]]

  in all these cases the incoming type binding is for Z, but annotations are for different levels. We need to align their
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1.112 pcre 8.32

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Written by: Philip Hazel
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1.113 asm 2.2.0-b21

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