**< delete  
> add  
Green - can be useful for us  
Yellow - so so   
Red - most likely no  
  
##diff -r buggy -> fixed  
  
Lang**

**Bug1  
  
> char firstSigDigit = 0; // strip leading zeroes**

**> for(int i = pfxLen; i < str.length(); i++) {**

**> firstSigDigit = str.charAt(i);**

**> if (firstSigDigit == '0') { // count leading zeroes**

**> pfxLen++;**

**> } else {**

**> break;**

**> }**

**> }**

**468c477**

**< if (hexDigits > 16) { // too many for Long**

**---**

**> if (hexDigits > 16 || (hexDigits == 16 && firstSigDigit > '7')) { // too many for Long**

**471c480**

**< if (hexDigits > 8) { // too many for an int**

**---**

**> if (hexDigits > 8 || (hexDigits == 8 && firstSigDigit > '7')) { // too many for an int**

--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-747

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.math.NumberUtilsTest::TestLang747

--> java.lang.NumberFormatException: For input string: "80000000"

--------------------------------------------------------------------------------

**Bug3**

592a593

**> if(numDecimals <= 7){// If number has 7 or fewer digits past the decimal point then make it a float**

**596a598**

**> }**

**600a603**

**> if(numDecimals <= 16){// If number has between 8 and 16 digits past the decimal point then make it a double**

**604a608**

**>**  }  
  
--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-693

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.math.NumberUtilsTest::testStringCreateNumberEnsureNoPrecisionLoss

--> junit.framework.AssertionFailedError

--------------------------------------------------------------------------------

**Bug4  
  
< private final HashMap<CharSequence, CharSequence> lookupMap;**

**---**

**> private final HashMap<String, CharSequence> lookupMap;**

**46c46**

**< lookupMap = new HashMap<CharSequence, CharSequence>();**

**---**

**> lookupMap = new HashMap<String, CharSequence>();**

**51c51**

**< this.lookupMap.put(seq[0], seq[1]);**

**---**

**> this.lookupMap.put(seq[0].toString(), seq[1]);**

**77c77**

**< final CharSequence result = lookupMap.get(subSeq);**

**---**

**> final CharSequence result = lookupMap.get(subSeq.toString());**

--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-882

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.text.translate.LookupTranslatorTest::testLang882

--> junit.framework.AssertionFailedError: Incorrect codepoint consumption expected:<3> but was:<0>

--------------------------------------------------------------------------------

**Bug5  
  
> if (ch0 == '\_') {**

**> if (len < 3) {**

**> throw new IllegalArgumentException("Invalid locale format: " + str);**

**> }**

**> final char ch1 = str.charAt(1);**

**> final char ch2 = str.charAt(2);**

**> if (!Character.isUpperCase(ch1) || !Character.isUpperCase(ch2)) {**

**> throw new IllegalArgumentException("Invalid locale format: " + str);**

**> }**

**> if (len == 3) {**

**> return new Locale("", str.substring(1, 3));**

**> }**

**> if (len < 5) {**

**> throw new IllegalArgumentException("Invalid locale format: " + str);**

**> }**

**> if (str.charAt(3) != '\_') {**

**> throw new IllegalArgumentException("Invalid locale format: " + str);**

**> }**

**> return new Locale("", str.substring(1, 3), str.substring(4));**

**> } else {**

**127a148**

**> }**  
  
--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-865

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.LocaleUtilsTest::testLang865

--> java.lang.IllegalArgumentException: Invalid locale format: \_GB

--------------------------------------------------------------------------------

**Bug6**  
  
<https://issues.apache.org/jira/browse/LANG-857>  
  
95c95

**< pos += Character.charCount(Character.codePointAt(input, pos));**

**---**

**> pos += Character.charCount(Character.codePointAt(input, pt));**  
  
--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-857

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.StringUtilsTest::testEscapeSurrogatePairs

--> java.lang.StringIndexOutOfBoundsException: String index out of range: 2

--------------------------------------------------------------------------------

**Bug7**  
**< if (str.startsWith("--")) {**

**< return null;**

**< }**

**720a718**

**> if (str.trim().startsWith("--")) {**

**724a723,724**

**> throw new NumberFormatException(str + " is not a valid number.");**

**> }**  
--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-822

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.math.NumberUtilsTest::testCreateNumber

--> junit.framework.AssertionFailedError: Expected NumberFormatException

--------------------------------------------------------------------------------

**Bug8**  
<https://issues.apache.org/jira/browse/LANG-818>  
  
**1098d1097**

**< private final TimeZone zone;**

**1112d1110**

**< zone = timeZone;**

**1133a1132**

**> TimeZone zone = calendar.getTimeZone();**

--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-818

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.time.FastDateFormat\_PrinterTest::testCalendarTimezoneRespected

--> junit.framework.AssertionFailedError: expected:<2:43PM [IC]T> but was:<2:43PM [PS]T>

- org.apache.commons.lang3.time.FastDatePrinterTest::testCalendarTimezoneRespected

--> junit.framework.AssertionFailedError: expected:<2:43PM [IC]T> but was:<2:43PM [PS]T>

--------------------------------------------------------------------------------

**Bug9**<https://issues.apache.org/jira/browse/LANG-832>

143a144,146

**> if (patternMatcher.regionStart() != patternMatcher.regionEnd()) {**

**> throw new IllegalArgumentException("Failed to parse \""+pattern+"\" ; gave up at index "+patternMatcher.regionStart());**

**> }**

--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-832

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.time.FastDateFormat\_ParserTest::testLANG\_832

--> junit.framework.AssertionFailedError: Parsed dates should be equal expected:<null> but was:<Fri Jan 02 21:00:00 PST 1970>

- org.apache.commons.lang3.time.FastDateParserTest::testLANG\_832

--> junit.framework.AssertionFailedError: Expected FDF failure, but got Fri Jan 02 21:00:00 PST 1970 for ['d'd',d3] using d(\p{IsNd}++)

--------------------------------------------------------------------------------

**Bug10**  
<https://issues.apache.org/jira/browse/LANG-831>  
  
 **304d303**

**< boolean wasWhite= false;**

**307,314d305**

**< if(Character.isWhitespace(c)) {**

**< if(!wasWhite) {**

**< wasWhite= true;**

**< regex.append("\\s\*+");**

**< }**

**< continue;**

**< }**

**< wasWhite= false;**

--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-831

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.time.FastDateFormat\_ParserTest::testLANG\_831

--> junit.framework.AssertionFailedError: Parsed dates should be equal expected:<null> but was:<Mon Mar 02 21:00:00 PST 1970>

- org.apache.commons.lang3.time.FastDateParserTest::testLANG\_831

--> junit.framework.AssertionFailedError: Expected FDF failure, but got Mon Mar 02 21:00:00 PST 1970 for [M E,3 Tue] using (\p{IsNd}++)\s\*+(Fri|Friday|Mon|Monday|Sat|Saturday|Sun|Sunday|Thu|Thursday|Tue|Tuesday|Wed|Wednesday)

--------------------------------------------------------------------------------  
  
**Bug11**

diff -r /tmp/lang\_11b/src/main/java/org/apache/commons/lang3/RandomStringUtils.java /tmp/lang\_11f/src/main/java/org/apache/commons/lang3/RandomStringUtils.java

244a245,248

**> } else {**

**> if (end <= start) {**

**> throw new IllegalArgumentException("Parameter end (" + end + ") must be greater than start (" + start + ")");**

**> }**

Summary for Bug: Lang-11

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Revision ID (fixed version):

c821fafce06adefc040e8983fb12d49399a48627

--------------------------------------------------------------------------------

Revision date (fixed version):

2012-06-10 12:40:48 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-807

--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-807

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.RandomStringUtilsTest::testLANG807

--> junit.framework.AssertionFailedError: Message (bound must be positive) must contain 'start'

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.RandomStringUtils

--------------------------------------------------------------------------------

**Bug12**

diff -r /tmp/lang\_12b/src/main/java/org/apache/commons/lang3/RandomStringUtils.java /tmp/lang\_12f/src/main/java/org/apache/commons/lang3/RandomStringUtils.java

229a230,232

**> if (chars != null && chars.length == 0) {**

**> throw new IllegalArgumentException("The chars array must not be empty");**

**> }**

**231a235,237**

**> if (chars != null) {**

**> end = chars.length;**

**> } else {**

**237a244**

**> }**

Summary for Bug: Lang-12

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Revision ID (fixed version):

c9d786a4fe2639581047d878a64bab6fb24f1ab3

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Revision date (fixed version):

2012-06-09 14:58:34 +0000

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Bug report id:

LANG-805

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Bug report url:

https://issues.apache.org/jira/browse/LANG-805

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.RandomStringUtilsTest::testExceptions

--> java.lang.ArrayIndexOutOfBoundsException: 1171399597

- org.apache.commons.lang3.RandomStringUtilsTest::testLANG805

--> java.lang.ArrayIndexOutOfBoundsException: 1859709389

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List of modified sources:

- org.apache.commons.lang3.RandomStringUtils

--------------------------------------------------------------------------------

**Bug13**

diff -r /tmp/lang\_13b/src/main/java/org/apache/commons/lang3/SerializationUtils.java /tmp/lang\_13f/src/main/java/org/apache/commons/lang3/SerializationUtils.java

238a239,240

**> private static final Map<String, Class<?>> primitiveTypes =**

**> new HashMap<String, Class<?>>();**

**251a254,262**

**> primitiveTypes.put("byte", byte.class);**

**> primitiveTypes.put("short", short.class);**

**> primitiveTypes.put("int", int.class);**

**> primitiveTypes.put("long", long.class);**

**> primitiveTypes.put("float", float.class);**

**> primitiveTypes.put("double", double.class);**

**> primitiveTypes.put("boolean", boolean.class);**

**> primitiveTypes.put("char", char.class);**

**> primitiveTypes.put("void", void.class);**

**267a279**

**> try {**

**268a281,287**

**> } catch (ClassNotFoundException cnfe) {**

**> Class<?> cls = primitiveTypes.get(name);**

**> if (cls != null)**

**> return cls;**

**> else**

**> throw cnfe;**

**> }**

Summary for Bug: Lang-13

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Revision ID (fixed version):

bd59a1908a1df3364918be7b07782500616b15ac

--------------------------------------------------------------------------------

Revision date (fixed version):

2012-02-29 14:39:01 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-788

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Bug report url:

https://issues.apache.org/jira/browse/LANG-788

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.SerializationUtilsTest::testPrimitiveTypeClassSerialization

--> org.apache.commons.lang3.SerializationException: ClassNotFoundException while reading cloned object data

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.SerializationUtils

--------------------------------------------------------------------------------

**Bug14**

diff -r /tmp/lang\_14b/src/main/java/org/apache/commons/lang3/StringUtils.java /tmp/lang\_14f/src/main/java/org/apache/commons/lang3/StringUtils.java

787a788

**> if (cs1 instanceof String && cs2 instanceof String) {**

**788a790,791**

**> }**

**> return CharSequenceUtils.regionMatches(cs1, false, 0, cs2, 0, Math.max(cs1.length(), cs2.length()));**

Summary for Bug: Lang-14

--------------------------------------------------------------------------------

Revision ID (fixed version):

cf7211f9d7d70d56501d8c4c827bf9ce3cac5f0b

--------------------------------------------------------------------------------

Revision date (fixed version):

2012-01-23 17:47:21 +0000

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Bug report id:

LANG-786

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Bug report url:

https://issues.apache.org/jira/browse/LANG-786

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testEquals

--> junit.framework.AssertionFailedError

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List of modified sources:

- org.apache.commons.lang3.StringUtils

--------------------------------------------------------------------------------

**Bug15**

diff -r /tmp/lang\_15b/src/main/java/org/apache/commons/lang3/reflect/TypeUtils.java /tmp/lang\_15f/src/main/java/org/apache/commons/lang3/reflect/TypeUtils.java

219,221c219,221

**< for (Map.Entry<TypeVariable<?>, Type> entry : toTypeVarAssigns.entrySet()) {**

**< Type toTypeArg = entry.getValue();**

**< Type fromTypeArg = fromTypeVarAssigns.get(entry.getKey());**

**---**

**> for (TypeVariable<?> var : toTypeVarAssigns.keySet()) {**

**> Type toTypeArg = unrollVariableAssignments(var, toTypeVarAssigns);**

**> Type fromTypeArg = unrollVariableAssignments(var, fromTypeVarAssigns);**

**675c675**

**< if (cls.getTypeParameters().length > 0 || toClass.equals(cls)) {**

**---**

**> if (toClass.equals(cls)) {**

Summary for Bug: Lang-15

--------------------------------------------------------------------------------

Revision ID (fixed version):

8185a9e681d6de5f40b0ed07b40730c9761bad37

--------------------------------------------------------------------------------

Revision date (fixed version):

2011-11-17 23:59:36 +0000

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Bug report id:

LANG-775

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Bug report url:

https://issues.apache.org/jira/browse/LANG-775

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.reflect.TypeUtilsTest::testGetTypeArguments

--> junit.framework.AssertionFailedError: expected:<2> but was:<0>

- org.apache.commons.lang3.reflect.TypeUtilsTest::testIsAssignable

--> junit.framework.AssertionFailedError: type class org.apache.commons.lang3.reflect.TypeUtilsTest$Thing not assignable to org.apache.commons.lang3.reflect.TypeUtilsTest$This<java.lang.String, java.lang.String>!

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.reflect.TypeUtils

--------------------------------------------------------------------------------

**Bug16**

diff -r /tmp/lang\_16b/src/main/java/org/apache/commons/lang3/math/NumberUtils.java /tmp/lang\_16f/src/main/java/org/apache/commons/lang3/math/NumberUtils.java

458c458

**< if (str.startsWith("0x") || str.startsWith("-0x")) {**

**---**

**> if (str.startsWith("0x") || str.startsWith("-0x") || str.startsWith("0X") || str.startsWith("-0X")) {**

Summary for Bug: Lang-16

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Revision ID (fixed version):

13c7f19a5ad506340a7c8d8601ef4bf2426ab325

--------------------------------------------------------------------------------

Revision date (fixed version):

2011-08-23 12:32:52 +0000

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Bug report id:

LANG-746

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Bug report url:

https://issues.apache.org/jira/browse/LANG-746

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.math.NumberUtilsTest::testCreateNumber

--> java.lang.NumberFormatException: 0Xfade is not a valid number.

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.math.NumberUtils

--------------------------------------------------------------------------------

**Bug17**

diff -r /tmp/lang\_17b/src/main/java/org/apache/commons/lang3/text/translate/CharSequenceTranslator.java /tmp/lang\_17f/src/main/java/org/apache/commons/lang3/text/translate/CharSequenceTranslator.java

83c83

**< int len = Character.codePointCount(input, 0, input.length());**

**---**

**> int len = input.length();**

**88a89,90**

**> pos+= c.length;**

**> continue;**

**90d91**

**< else {**

**94d94**

**< if (pos < len - 2) {**

**96,100d95**

**< } else {**

**< pos++;**

**< }**

**< }**

**< pos--;**

**102d96**

**< pos++;**

Summary for Bug: Lang-17

--------------------------------------------------------------------------------

Revision ID (fixed version):

b4255e6d071dc8d48bfc51037cecb29097b9a49d

--------------------------------------------------------------------------------

Revision date (fixed version):

2011-07-14 18:49:51 +0000

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Bug report id:

LANG-720

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Bug report url:

https://issues.apache.org/jira/browse/LANG-720

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Root cause in triggering tests:

- org.apache.commons.lang3.StringEscapeUtilsTest::testLang720

--> junit.framework.ComparisonFailure: expected:<р†ЃЈ[A]> but was:<р†ЃЈ[?]>

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.text.translate.CharSequenceTranslator

--------------------------------------------------------------------------------

**Bug18**

diff -r /tmp/lang\_18b/src/main/java/org/apache/commons/lang3/time/FastDateFormat.java /tmp/lang\_18f/src/main/java/org/apache/commons/lang3/time/FastDateFormat.java

495,497c495

**< if (tokenLen >= 4) {**

**< rule = selectNumberRule(Calendar.YEAR, tokenLen);**

**< } else {**

**---**

**> if (tokenLen == 2) {**

**498a497,498**

**> } else {**

**> rule = selectNumberRule(Calendar.YEAR, tokenLen < 4 ? 4 : tokenLen);**

Summary for Bug: Lang-18

--------------------------------------------------------------------------------

Revision ID (fixed version):

2aa9dca994b006ccbfcb528de5ff0da6a5578411

--------------------------------------------------------------------------------

Revision date (fixed version):

2011-07-13 17:01:37 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-719

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Bug report url:

https://issues.apache.org/jira/browse/LANG-719

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.time.FastDateFormatTest::testFormat

--> junit.framework.ComparisonFailure: expected:<AD AD AD AD 2003 [2003 03 20]03 January Jan 01 1 ...> but was:<AD AD AD AD 2003 [03 03 ]03 January Jan 01 1 ...>

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.time.FastDateFormat

--------------------------------------------------------------------------------

**Bug19**

diff -r /tmp/lang\_19b/src/main/java/org/apache/commons/lang3/text/translate/NumericEntityUnescaper.java /tmp/lang\_19f/src/main/java/org/apache/commons/lang3/text/translate/NumericEntityUnescaper.java

40c40

**< if(input.charAt(index) == '&' && index < seqEnd - 1 && input.charAt(index + 1) == '#') {**

**---**

**> if(input.charAt(index) == '&' && index < seqEnd - 2 && input.charAt(index + 1) == '#') {**

**49a50,52**

**> if(start == seqEnd) {**

**> return 0;**

**> }**

**54c57,59**

**< while(input.charAt(end) != ';')**

**---**

**> while(end < seqEnd && ( (input.charAt(end) >= '0' && input.charAt(end) <= '9') ||**

**> (input.charAt(end) >= 'a' && input.charAt(end) <= 'f') ||**

**> (input.charAt(end) >= 'A' && input.charAt(end) <= 'F') ) )**

**78a84**

**> boolean semiNext = (end != seqEnd) && (input.charAt(end) == ';');**

**80c86**

**< return 2 + (end - start) + (isHex ? 1 : 0) + 1;**

**---**

**> return 2 + (end - start) + (isHex ? 1 : 0) + (semiNext ? 1 : 0);**

Summary for Bug: Lang-19

--------------------------------------------------------------------------------

Revision ID (fixed version):

0b3a8a3128890f710700d04e38df48b883d11d91

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Revision date (fixed version):

2011-07-03 07:55:33 +0000

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Bug report id:

LANG-710

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Bug report url:

https://issues.apache.org/jira/browse/LANG-710

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Root cause in triggering tests:

- org.apache.commons.lang3.text.translate.NumericEntityUnescaperTest::testUnfinishedEntity

--> java.lang.StringIndexOutOfBoundsException: String index out of range: 19

- org.apache.commons.lang3.text.translate.NumericEntityUnescaperTest::testOutOfBounds

--> java.lang.StringIndexOutOfBoundsException: String index out of range: 7

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.text.translate.NumericEntityUnescaper

--------------------------------------------------------------------------------

**Bug20**

diff -r /tmp/lang\_20b/src/main/java/org/apache/commons/lang3/StringUtils.java /tmp/lang\_20f/src/main/java/org/apache/commons/lang3/StringUtils.java

3298c3298

**< StringBuilder buf = new StringBuilder((array[startIndex] == null ? 16 : array[startIndex].toString().length()) + 1);**

**---**

**> StringBuilder buf = new StringBuilder(noOfItems \* 16);**

**3383c3383**

**< StringBuilder buf = new StringBuilder((array[startIndex] == null ? 16 : array[startIndex].toString().length()) + separator.length());**

**---**

**> StringBuilder buf = new StringBuilder(noOfItems \* 16);**

Summary for Bug: Lang-20

--------------------------------------------------------------------------------

Revision ID (fixed version):

f08213cc4c35fd71e98aa5233fcb2db3333793a2

--------------------------------------------------------------------------------

Revision date (fixed version):

2011-07-03 07:04:38 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-703

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Bug report url:

https://issues.apache.org/jira/browse/LANG-703

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.StringUtilsTest::testJoin\_ArrayChar

--> java.lang.NullPointerException

- org.apache.commons.lang3.StringUtilsTest::testJoin\_Objectarray

--> java.lang.NullPointerException

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.StringUtils

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**Bug21**

diff -r /tmp/lang\_21b/src/main/java/org/apache/commons/lang3/time/DateUtils.java /tmp/lang\_21f/src/main/java/org/apache/commons/lang3/time/DateUtils.java

265c265

**< cal1.get(Calendar.HOUR) == cal2.get(Calendar.HOUR) &&**

**---**

**> cal1.get(Calendar.HOUR\_OF\_DAY) == cal2.get(Calendar.HOUR\_OF\_DAY) &&**

Summary for Bug: Lang-21

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Revision ID (fixed version):

55f642725742513824975af0e5e91cb1920b6d72

--------------------------------------------------------------------------------

Revision date (fixed version):

2011-02-02 21:55:15 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-677

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Bug report url:

https://issues.apache.org/jira/browse/LANG-677

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.time.DateUtilsTest::testIsSameLocalTime\_Cal

--> junit.framework.AssertionFailedError: LANG-677

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.time.DateUtils

--------------------------------------------------------------------------------

**Bug22**

diff -r /tmp/lang\_22b/src/main/java/org/apache/commons/lang3/math/Fraction.java /tmp/lang\_22f/src/main/java/org/apache/commons/lang3/math/Fraction.java

582a583,588

**> if ((u == 0) || (v == 0)) {**

**> if ((u == Integer.MIN\_VALUE) || (v == Integer.MIN\_VALUE)) {**

**> throw new ArithmeticException("overflow: gcd is 2^31");**

**> }**

**> return Math.abs(u) + Math.abs(v);**

**> }**

**584c590**

**< if (Math.abs(u) <= 1 || Math.abs(v) <= 1) {**

**---**

**> if (Math.abs(u) == 1 || Math.abs(v) == 1) {**

Summary for Bug: Lang-22

--------------------------------------------------------------------------------

Revision ID (fixed version):

0b2b82ad923b0455cde93286e3f504a1abd0863b

--------------------------------------------------------------------------------

Revision date (fixed version):

2011-01-17 04:30:05 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-662

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Bug report url:

https://issues.apache.org/jira/browse/LANG-662

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.math.FractionTest::testReducedFactory\_int\_int

--> junit.framework.AssertionFailedError: expected:<-1073741824> but was:<-2147483648>

- org.apache.commons.lang3.math.FractionTest::testReduce

--> junit.framework.AssertionFailedError: expected:<-1073741824> but was:<-2147483648>

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List of modified sources:

- org.apache.commons.lang3.math.Fraction

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**Bug23**

diff -r /tmp/lang\_23b/src/main/java/org/apache/commons/lang3/text/ExtendedMessageFormat.java /tmp/lang\_23f/src/main/java/org/apache/commons/lang3/text/ExtendedMessageFormat.java

72a73

**> private static final int HASH\_SEED = 31;**

**262a264,286**

**> @Override**

**> public boolean equals(Object obj) {**

**> if (obj == this) {**

**> return true;**

**> }**

**> if (obj == null) {**

**> return false;**

**> }**

**> if (!super.equals(obj)) {**

**> return false;**

**> }**

**> if (ObjectUtils.notEqual(getClass(), obj.getClass())) {**

**> return false;**

**> }**

**> ExtendedMessageFormat rhs = (ExtendedMessageFormat)obj;**

**> if (ObjectUtils.notEqual(toPattern, rhs.toPattern)) {**

**> return false;**

**> }**

**> if (ObjectUtils.notEqual(registry, rhs.registry)) {**

**> return false;**

**> }**

**> return true;**

**> }**

**268a293,299**

**> @Override**

**> public int hashCode() {**

**> int result = super.hashCode();**

**> result = HASH\_SEED \* result + ObjectUtils.hashCode(registry);**

**> result = HASH\_SEED \* result + ObjectUtils.hashCode(toPattern);**

**> return result;**

**> }**

Summary for Bug: Lang-23

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Revision ID (fixed version):

46356183872f2cba5e340993c6d85597a4f3cdbb

--------------------------------------------------------------------------------

Revision date (fixed version):

2011-01-10 23:57:00 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-636

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Bug report url:

https://issues.apache.org/jira/browse/LANG-636

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Root cause in triggering tests:

- org.apache.commons.lang3.text.ExtendedMessageFormatTest::testEqualsHashcode

--> junit.framework.AssertionFailedError: registry, hashcode()

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List of modified sources:

- org.apache.commons.lang3.text.ExtendedMessageFormat

--------------------------------------------------------------------------------

**Bug24**

diff -r /tmp/lang\_24b/src/main/java/org/apache/commons/lang3/math/NumberUtils.java /tmp/lang\_24f/src/main/java/org/apache/commons/lang3/math/NumberUtils.java

1413c1413

**< return foundDigit && !hasExp;**

**---**

**> return foundDigit && !hasExp && !hasDecPoint;**

Summary for Bug: Lang-24

--------------------------------------------------------------------------------

Revision ID (fixed version):

81903abbb25ff92597d5f1e3acc648d12bdee444

--------------------------------------------------------------------------------

Revision date (fixed version):

2011-01-01 06:56:59 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-664

--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-664

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Root cause in triggering tests:

- org.apache.commons.lang3.math.NumberUtilsTest::testIsNumber

--> junit.framework.AssertionFailedError: isNumber(String) LANG-664 failed

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.math.NumberUtils

--------------------------------------------------------------------------------

**Bug25**

diff -r /tmp/lang\_25b/src/main/java/org/apache/commons/lang3/text/translate/EntityArrays.java /tmp/lang\_25f/src/main/java/org/apache/commons/lang3/text/translate/EntityArrays.java

74,100c74,100

**< {"\u00CB", "&Ecirc;"}, // - uppercase E, circumflex accent**

**< {"\u00CC", "&Euml;"}, // Ћ - uppercase E, umlaut**

**< {"\u00CD", "&Igrave;"}, // ћ - uppercase I, grave accent**

**< {"\u00CE", "&Iacute;"}, // Ќ - uppercase I, acute accent**

**< {"\u00CF", "&Icirc;"}, // ќ - uppercase I, circumflex accent**

**< {"\u00D0", "&Iuml;"}, // ѕ - uppercase I, umlaut**

**< {"\u00D1", "&ETH;"}, // – - uppercase Eth, Icelandic**

**< {"\u00D2", "&Ntilde;"}, // — - uppercase N, tilde**

**< {"\u00D3", "&Ograve;"}, // “ - uppercase O, grave accent**

**< {"\u00D4", "&Oacute;"}, // ” - uppercase O, acute accent**

**< {"\u00D5", "&Ocirc;"}, // ‘ - uppercase O, circumflex accent**

**< {"\u00D6", "&Otilde;"}, // ’ - uppercase O, tilde**

**< {"\u00D7", "&Ouml;"}, // ÷ - uppercase O, umlaut**

**< {"\u00D8", "&times;"}, // multiplication sign**

**< {"\u00D9", "&Oslash;"}, // Ў - uppercase O, slash**

**< {"\u00DA", "&Ugrave;"}, // ў - uppercase U, grave accent**

**< {"\u00DB", "&Uacute;"}, // Џ - uppercase U, acute accent**

**< {"\u00DC", "&Ucirc;"}, // џ - uppercase U, circumflex accent**

**< {"\u00DD", "&Uuml;"}, // № - uppercase U, umlaut**

**< {"\u00DE", "&Yacute;"}, // Ё - uppercase Y, acute accent**

**< {"\u00DF", "&THORN;"}, // ё - uppercase THORN, Icelandic**

**< {"\u00E0", "&szlig;"}, // я - lowercase sharps, German**

**< {"\u00E1", "&agrave;"}, // а - lowercase a, grave accent**

**< {"\u00E2", "&aacute;"}, // б - lowercase a, acute accent**

**< {"\u00E3", "&acirc;"}, // в - lowercase a, circumflex accent**

**< {"\u00E4", "&atilde;"}, // г - lowercase a, tilde**

**< {"\u00E5", "&auml;"}, // д - lowercase a, umlaut**

**---**

**> {"\u00CA", "&Ecirc;"}, // - uppercase E, circumflex accent**

**> {"\u00CB", "&Euml;"}, // Ћ - uppercase E, umlaut**

**> {"\u00CC", "&Igrave;"}, // ћ - uppercase I, grave accent**

**> {"\u00CD", "&Iacute;"}, // Ќ - uppercase I, acute accent**

**> {"\u00CE", "&Icirc;"}, // ќ - uppercase I, circumflex accent**

**> {"\u00CF", "&Iuml;"}, // ѕ - uppercase I, umlaut**

**> {"\u00D0", "&ETH;"}, // – - uppercase Eth, Icelandic**

**> {"\u00D1", "&Ntilde;"}, // — - uppercase N, tilde**

**> {"\u00D2", "&Ograve;"}, // “ - uppercase O, grave accent**

**> {"\u00D3", "&Oacute;"}, // ” - uppercase O, acute accent**

**> {"\u00D4", "&Ocirc;"}, // ‘ - uppercase O, circumflex accent**

**> {"\u00D5", "&Otilde;"}, // ’ - uppercase O, tilde**

**> {"\u00D6", "&Ouml;"}, // ÷ - uppercase O, umlaut**

**> {"\u00D7", "&times;"}, // multiplication sign**

**> {"\u00D8", "&Oslash;"}, // Ў - uppercase O, slash**

**> {"\u00D9", "&Ugrave;"}, // ў - uppercase U, grave accent**

**> {"\u00DA", "&Uacute;"}, // Џ - uppercase U, acute accent**

**> {"\u00DB", "&Ucirc;"}, // џ - uppercase U, circumflex accent**

**> {"\u00DC", "&Uuml;"}, // № - uppercase U, umlaut**

**> {"\u00DD", "&Yacute;"}, // Ё - uppercase Y, acute accent**

**> {"\u00DE", "&THORN;"}, // ё - uppercase THORN, Icelandic**

**> {"\u00DF", "&szlig;"}, // я - lowercase sharps, German**

**> {"\u00E0", "&agrave;"}, // а - lowercase a, grave accent**

**> {"\u00E1", "&aacute;"}, // б - lowercase a, acute accent**

**> {"\u00E2", "&acirc;"}, // в - lowercase a, circumflex accent**

**> {"\u00E3", "&atilde;"}, // г - lowercase a, tilde**

**> {"\u00E4", "&auml;"}, // д - lowercase a, umlaut**

Summary for Bug: Lang-25

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Revision ID (fixed version):

2bae68787d15c3d3540380164e62759485078ec1

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Revision date (fixed version):

2010-11-13 16:35:47 +0000

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Bug report id:

LANG-658

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Bug report url:

https://issues.apache.org/jira/browse/LANG-658

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Root cause in triggering tests:

- org.apache.commons.lang3.text.translate.EntityArraysTest::testISO8859\_1\_ESCAPE

--> junit.framework.AssertionFailedError: One or more errors detected

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List of modified sources:

- org.apache.commons.lang3.text.translate.EntityArrays

--------------------------------------------------------------------------------

**Bug26**

diff -r /tmp/lang\_26b/src/main/java/org/apache/commons/lang3/time/FastDateFormat.java /tmp/lang\_26f/src/main/java/org/apache/commons/lang3/time/FastDateFormat.java

820c820

**< Calendar c = new GregorianCalendar(mTimeZone);**

**---**

**> Calendar c = new GregorianCalendar(mTimeZone, mLocale);**

Summary for Bug: Lang-26

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Revision ID (fixed version):

75d5b74a1a7ef68c5169f4b44cdf972c1ab07ee0

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Revision date (fixed version):

2010-09-08 06:09:57 +0000

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Bug report id:

LANG-645

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Bug report url:

https://issues.apache.org/jira/browse/LANG-645

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Root cause in triggering tests:

- org.apache.commons.lang3.time.FastDateFormatTest::testLang645

--> junit.framework.ComparisonFailure: expected:<fredag, week [53]> but was:<fredag, week [01]>

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List of modified sources:

- org.apache.commons.lang3.time.FastDateFormat

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**Bug27**

diff -r /tmp/lang\_27b/src/main/java/org/apache/commons/lang3/math/NumberUtils.java /tmp/lang\_27f/src/main/java/org/apache/commons/lang3/math/NumberUtils.java

479c479

**< if (expPos < decPos) {**

**---**

**> if (expPos < decPos || expPos > str.length()) {**

**488a489,491**

**> if (expPos > str.length()) {**

**> throw new NumberFormatException(str + " is not a valid number.");**

**> }**

Summary for Bug: Lang-27

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Revision ID (fixed version):

c2560c028173c3bc0a4627d4ce5ce221bcc9be66

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Revision date (fixed version):

2010-08-03 04:41:04 +0000

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Bug report id:

LANG-638

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Bug report url:

https://issues.apache.org/jira/browse/LANG-638

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Root cause in triggering tests:

- org.apache.commons.lang3.math.NumberUtilsTest::testCreateNumber

--> java.lang.StringIndexOutOfBoundsException: String index out of range: 4

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List of modified sources:

- org.apache.commons.lang3.math.NumberUtils

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**Bug28**

diff -r /tmp/lang\_28b/src/main/java/org/apache/commons/lang3/text/translate/NumericEntityUnescaper.java /tmp/lang\_28f/src/main/java/org/apache/commons/lang3/text/translate/NumericEntityUnescaper.java

62a63,67

**> if(entityValue > 0xFFFF) {**

**> char[] chrs = Character.toChars(entityValue);**

**> out.write(chrs[0]);**

**> out.write(chrs[1]);**

**> } else {**

**63a69**

**> }**

Summary for Bug: Lang-28

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Revision ID (fixed version):

3e1afecc200d7e3be9537c95b7cf52a7c5031300

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Revision date (fixed version):

2010-06-22 06:34:18 +0000

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Bug report id:

LANG-617

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Bug report url:

https://issues.apache.org/jira/browse/LANG-617

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Root cause in triggering tests:

- org.apache.commons.lang3.text.translate.NumericEntityUnescaperTest::testSupplementaryUnescaping

--> junit.framework.ComparisonFailure: Failed to unescape numeric entities supplementary characters expected:<[рР∞Ґ]> but was:<[а∞Ґ]>

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List of modified sources:

- org.apache.commons.lang3.text.translate.NumericEntityUnescaper

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**Bug29**

diff -r /tmp/lang\_29b/src/main/java/org/apache/commons/lang3/SystemUtils.java /tmp/lang\_29f/src/main/java/org/apache/commons/lang3/SystemUtils.java

1672c1672

**< static float toJavaVersionInt(String version) {**

**---**

**> static int toJavaVersionInt(String version) {**

Summary for Bug: Lang-29

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Revision ID (fixed version):

982e295053663787bb0396b81a8956c3c87dc25b

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Revision date (fixed version):

2010-05-28 16:33:23 +0000

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Bug report id:

LANG-624

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Bug report url:

https://issues.apache.org/jira/browse/LANG-624

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Root cause in triggering tests:

- org.apache.commons.lang3.SystemUtilsTest::testJavaVersionAsInt

--> junit.framework.AssertionFailedError: expected:<0> but was:<0.0>

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List of modified sources:

- org.apache.commons.lang3.SystemUtils

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**Bug30**

diff -r /tmp/lang\_30b/src/main/java/org/apache/commons/lang3/StringUtils.java /tmp/lang\_30f/src/main/java/org/apache/commons/lang3/StringUtils.java

**1375a1376**

**> int csLast = csLen - 1;**

**1376a1378**

**> int searchLast = searchLen - 1;**

**1380a1383**

**> if (i < csLast && j < searchLast && Character.isHighSurrogate(ch)) {**

**1381a1385,1388**

**> if (searchChars[j + 1] == cs.charAt(i + 1)) {**

**> return i;**

**> }**

**> } else {**

**1382a1390**

**> }**

**1443c1451**

**< public static boolean containsAny(CharSequence cs, char[] searchChars) {**

**---**

**> public static boolean containsAny(String cs, char[] searchChars) {**

**1455c1463,1464**

**< if (i < csLast && j < searchLast && ch >= Character.MIN\_HIGH\_SURROGATE && ch <= Character.MAX\_HIGH\_SURROGATE) {**

**---**

**> if (Character.isHighSurrogate(ch)) {**

**> if (j == searchLast) {**

**1457c1466,1468**

**< if (searchChars[j + 1] == cs.charAt(i + 1)) {**

**---**

**> return true;**

**> }**

**> if (i < csLast && searchChars[j + 1] == cs.charAt(i + 1)) {**

**1497c1508**

**< public static boolean containsAny(CharSequence cs, String searchChars) {**

**---**

**> public static boolean containsAny(String cs, String searchChars) {**

**1532a1544**

**> int csLast = csLen - 1;**

**1533a1546**

**> int searchLast = searchLen - 1;**

**1538a1552,1556**

**> if (i < csLast && j < searchLast && Character.isHighSurrogate(ch)) {**

**> if (searchChars[j + 1] == cs.charAt(i + 1)) {**

**> continue outer;**

**> }**

**> } else {**

**1539a1558**

**> }**

**1576c1595,1598**

**< if (searchChars.indexOf(ch) < 0) {**

**---**

**> boolean chFound = searchChars.indexOf(ch) >= 0;**

**> if (i + 1 < strLen && Character.isHighSurrogate(ch)) {**

**> char ch2 = str.charAt(i + 1);**

**> if (chFound && searchChars.indexOf(ch2) < 0) {**

**1577a1600,1604**

**> }**

**> } else {**

**> if (!chFound) {**

**> return i;**

**> }**

**1677a1705**

**> int csLast = csLen - 1;**

**1678a1707**

**> int searchLast = searchLen - 1;**

**1682a1712,1713**

**> if (Character.isHighSurrogate(ch)) {**

**> if (j == searchLast) {**

**1683a1715,1720**

**> return false;**

**> }**

**> if (i < csLast && searchChars[j + 1] == cs.charAt(i + 1)) {**

**> return false;**

**> }**

**> } else {**

**1685a1723**

**> }**

Summary for Bug: Lang-30

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Revision ID (fixed version):

19b6372018c6b800f8e2bf1b85e15ef4cbd500da

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Revision date (fixed version):

2010-03-16 00:37:07 +0000

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Bug report id:

LANG-607

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Bug report url:

https://issues.apache.org/jira/browse/LANG-607

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Root cause in triggering tests:

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testContainsNone\_CharArrayWithSupplementaryChars

--> junit.framework.AssertionFailedError: expected:<true> but was:<false>

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testContainsNone\_StringWithSupplementaryChars

--> junit.framework.AssertionFailedError: expected:<true> but was:<false>

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testContainsAny\_StringCharArrayWithBadSupplementaryChars

--> junit.framework.AssertionFailedError: expected:<false> but was:<true>

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testIndexOfAnyBut\_StringStringWithSupplementaryChars

--> junit.framework.AssertionFailedError: expected:<2> but was:<3>

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testContainsAny\_StringWithBadSupplementaryChars

--> junit.framework.AssertionFailedError: expected:<false> but was:<true>

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testIndexOfAny\_StringCharArrayWithSupplementaryChars

--> junit.framework.AssertionFailedError: expected:<2> but was:<0>

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testIndexOfAnyBut\_StringCharArrayWithSupplementaryChars

--> junit.framework.AssertionFailedError: expected:<2> but was:<3>

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testContainsNone\_StringWithBadSupplementaryChars

--> junit.framework.AssertionFailedError: expected:<true> but was:<false>

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testIndexOfAny\_StringStringWithSupplementaryChars

--> junit.framework.AssertionFailedError: expected:<2> but was:<0>

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testContainsNone\_CharArrayWithBadSupplementaryChars

--> junit.framework.AssertionFailedError: expected:<true> but was:<false>

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List of modified sources:

- org.apache.commons.lang3.StringUtils

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**Bug31**

diff -r /tmp/lang\_31b/src/main/java/org/apache/commons/lang3/StringUtils.java /tmp/lang\_31f/src/main/java/org/apache/commons/lang3/StringUtils.java

1445a1446,1447

**> int csLastIndex = csLength - 1;**

**> int searchLastIndex = searchLength - 1;**

**1449a1452**

**> if (i < csLastIndex && j < searchLastIndex && ch >= Character.MIN\_HIGH\_SURROGATE && ch <= Character.MAX\_HIGH\_SURROGATE) {**

**1450a1454,1457**

**> if (searchChars[j + 1] == cs.charAt(i + 1)) {**

**> return true;**

**> }**

**> } else {**

**1452a1460**

**> }**

Summary for Bug: Lang-31

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Revision ID (fixed version):

38bf7048571f3bc8dd34d14691906426444e4381

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Revision date (fixed version):

2010-03-14 00:54:03 +0000

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Bug report id:

LANG-607

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Bug report url:

https://issues.apache.org/jira/browse/LANG-607

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Root cause in triggering tests:

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testContainsAnyCharArrayWithSupplementaryChars

--> junit.framework.AssertionFailedError: expected:<false> but was:<true>

- org.apache.commons.lang3.StringUtilsEqualsIndexOfTest::testContainsAnyStringWithSupplementaryChars

--> junit.framework.AssertionFailedError: expected:<false> but was:<true>

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List of modified sources:

- org.apache.commons.lang3.StringUtils

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**Bug32**

diff -r /tmp/lang\_32b/src/main/java/org/apache/commons/lang3/builder/HashCodeBuilder.java /tmp/lang\_32f/src/main/java/org/apache/commons/lang3/builder/HashCodeBuilder.java

104,109c104

**< private static final ThreadLocal<Set<IDKey>> REGISTRY = new ThreadLocal<Set<IDKey>>() {**

**< @Override**

**< protected Set<IDKey> initialValue() {**

**< return new HashSet<IDKey>();**

**< }**

**< };**

**---**

**> private static final ThreadLocal<Set<IDKey>> REGISTRY = new ThreadLocal<Set<IDKey>>();**

**152c147,148**

**< return getRegistry().contains(new IDKey(value));**

**---**

**> Set<IDKey> registry = getRegistry();**

**> return registry != null && registry.contains(new IDKey(value));**

**521a518,522**

**> synchronized (HashCodeBuilder.class) {**

**> if (getRegistry() == null) {**

**> REGISTRY.set(new HashSet<IDKey>());**

**> }**

**> }**

**538c539,547**

**< getRegistry().remove(new IDKey(value));**

**---**

**> Set<IDKey> s = getRegistry();**

**> if (s != null) {**

**> s.remove(new IDKey(value));**

**> synchronized (HashCodeBuilder.class) {**

**> if (s.isEmpty()) {**

**> REGISTRY.remove();**

**> }**

**> }**

**> }**

Summary for Bug: Lang-32

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Revision ID (fixed version):

006fca88e86bd6f650d4d021d2ff3573a572827d

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Revision date (fixed version):

2010-02-07 03:14:09 +0000

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Bug report id:

LANG-586

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Bug report url:

https://issues.apache.org/jira/browse/LANG-586

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Root cause in triggering tests:

- org.apache.commons.lang3.builder.HashCodeBuilderTest::testReflectionObjectCycle

--> junit.framework.AssertionFailedError: Expected: <null> but was: []

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List of modified sources:

- org.apache.commons.lang3.builder.HashCodeBuilder

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**Bug33**

diff -r /tmp/lang\_33b/src/main/java/org/apache/commons/lang3/ClassUtils.java /tmp/lang\_33f/src/main/java/org/apache/commons/lang3/ClassUtils.java

910c910

**< classes[i] = array[i].getClass();**

**---**

**> classes[i] = array[i] == null ? null : array[i].getClass();**

Summary for Bug: Lang-33

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Revision ID (fixed version):

0603aef594fa60126c2d45f2ab164eee39f7b44c

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Revision date (fixed version):

2010-02-05 21:31:38 +0000

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Bug report id:

LANG-587

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Bug report url:

https://issues.apache.org/jira/browse/LANG-587

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Root cause in triggering tests:

- org.apache.commons.lang3.ClassUtilsTest::testToClass\_object

--> java.lang.NullPointerException

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List of modified sources:

- org.apache.commons.lang3.ClassUtils

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**Bug34**

diff -r /tmp/lang\_34b/src/main/java/org/apache/commons/lang3/builder/ToStringStyle.java /tmp/lang\_34f/src/main/java/org/apache/commons/lang3/builder/ToStringStyle.java

148c148

**< return REGISTRY.get() != null ? REGISTRY.get() : Collections.<Object, Object>emptyMap();**

**---**

**> return REGISTRY.get();**

**164c164**

**< return m.containsKey(value);**

**---**

**> return m != null && m.containsKey(value);**

Summary for Bug: Lang-34

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Revision ID (fixed version):

496525b0d626dd5049528cdef61d71681154b660

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Revision date (fixed version):

2010-02-04 21:57:58 +0000

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Bug report id:

LANG-586

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Bug report url:

https://issues.apache.org/jira/browse/LANG-586

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Root cause in triggering tests:

- org.apache.commons.lang3.builder.ToStringBuilderTest::testObjectCycle

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionHierarchy

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testSelfInstanceTwoVarsReflectionObjectCycle

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionArrayCycle

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionLongArrayArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionArrayArrayCycle

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionFloatArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionDoubleArrayArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionBooleanArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionyteArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionDoubleArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionIntArrayArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionLongArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionhortArrayArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionObjectArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionObjectCycle

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionBooleanArrayArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testSimpleReflectionObjectCycle

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionByteArrayArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionArrayCycleLevel2

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionArrayAndObjectCycle

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionCharArrayArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionShortArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testSelfInstanceVarReflectionObjectCycle

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionIntArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionCharArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

- org.apache.commons.lang3.builder.ToStringBuilderTest::testReflectionFloatArrayArray

--> junit.framework.AssertionFailedError: Expected: <null> but was: {}

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.builder.ToStringStyle

--------------------------------------------------------------------------------

**Bug35**

diff -r /tmp/lang\_35b/src/main/java/org/apache/commons/lang3/ArrayUtils.java /tmp/lang\_35f/src/main/java/org/apache/commons/lang3/ArrayUtils.java

3295c3295

**< type = Object.class;**

**---**

**> throw new IllegalArgumentException("Arguments cannot both be null");**

**3574c3574**

**< return (T[]) new Object[] { null };**

**---**

**> throw new IllegalArgumentException("Array and element cannot both be null");**

Summary for Bug: Lang-35

--------------------------------------------------------------------------------

Revision ID (fixed version):

80bd78ea0685d28ddec9b8162d652db9dec949ce

--------------------------------------------------------------------------------

Revision date (fixed version):

2010-01-16 12:39:20 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-571

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Bug report url:

https://issues.apache.org/jira/browse/LANG-571

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.ArrayUtilsAddTest::testLANG571

--> java.lang.ClassCastException: [Ljava.lang.Object; cannot be cast to [Ljava.lang.String;

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.ArrayUtils

--------------------------------------------------------------------------------

**Bug36**

diff -r /tmp/lang\_36b/src/java/org/apache/commons/lang3/math/NumberUtils.java /tmp/lang\_36f/src/java/org/apache/commons/lang3/math/NumberUtils.java

491c491

**< if (!Character.isDigit(lastChar)) {**

**---**

**> if (!Character.isDigit(lastChar) && lastChar != '.') {**

**1386a1387,1394**

**> }**

**> if (chars[i] == '.') {**

**> if (hasDecPoint || hasExp) {**

**> // two decimal points or dec in exponent**

**> return false;**

**> }**

**> // single trailing decimal point after non-exponent is ok**

**> return foundDigit;**

Summary for Bug: Lang-36

--------------------------------------------------------------------------------

Revision ID (fixed version):

da0612b348fcfa7679b92a5e9b8e1603e8e2da3a

--------------------------------------------------------------------------------

Revision date (fixed version):

2009-12-22 06:52:42 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-521

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Bug report url:

https://issues.apache.org/jira/browse/LANG-521

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.math.NumberUtilsTest::testCreateNumber

--> java.lang.NumberFormatException: 2. is not a valid number.

- org.apache.commons.lang3.math.NumberUtilsTest::testIsNumber

--> junit.framework.AssertionFailedError: isNumber(String) LANG-521 failed

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.math.NumberUtils

--------------------------------------------------------------------------------

**Bug37**

diff -r /tmp/lang\_37b/src/java/org/apache/commons/lang3/ArrayUtils.java /tmp/lang\_37f/src/java/org/apache/commons/lang3/ArrayUtils.java

2961a2962

**> try {**

**2962a2964**

**> } catch (ArrayStoreException ase) {**

**2963a2966,2971**

**> final Class<?> type2 = array2.getClass().getComponentType();**

**> if (!type1.isAssignableFrom(type2)){**

**> throw new IllegalArgumentException("Cannot store "+type2.getName()+" in an array of "+type1.getName());**

**> }**

**> throw ase; // No, so rethrow original**

**> }**

Summary for Bug: Lang-37

--------------------------------------------------------------------------------

Revision ID (fixed version):

ea140fb5c327e2b58f6c5bf1057c7dede909a50c

--------------------------------------------------------------------------------

Revision date (fixed version):

2009-12-18 02:50:21 +0000

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Bug report id:

LANG-567

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Bug report url:

https://issues.apache.org/jira/browse/LANG-567

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.ArrayUtilsAddTest::testJira567

--> java.lang.ArrayStoreException

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List of modified sources:

- org.apache.commons.lang3.ArrayUtils

--------------------------------------------------------------------------------

**Bug38**

diff -r /tmp/lang\_38b/src/java/org/apache/commons/lang3/time/FastDateFormat.java /tmp/lang\_38f/src/java/org/apache/commons/lang3/time/FastDateFormat.java

871a872

**> calendar.getTime(); /// LANG-538**

Summary for Bug: Lang-38

--------------------------------------------------------------------------------

Revision ID (fixed version):

a95e76eefb91bdd9cf1c22734874a3d3c95ed327

--------------------------------------------------------------------------------

Revision date (fixed version):

2009-12-17 06:04:28 +0000

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Bug report id:

LANG-538

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Bug report url:

https://issues.apache.org/jira/browse/LANG-538

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.time.FastDateFormatTest::testLang538

--> junit.framework.ComparisonFailure: dateTime expected:<2009-10-16T[16]:42:16.000Z> but was:<2009-10-16T[08]:42:16.000Z>

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang3.time.FastDateFormat

--------------------------------------------------------------------------------

**Bug39**

diff -r /tmp/lang\_39b/src/java/org/apache/commons/lang3/StringUtils.java /tmp/lang\_39f/src/java/org/apache/commons/lang3/StringUtils.java

3675a3676,3678

**> if (searchList[i] == null || replacementList[i] == null) {**

**> continue;**

**> }**

Summary for Bug: Lang-39

--------------------------------------------------------------------------------

Revision ID (fixed version):

cb40e35f5e0990fad4c5278964fcc24e112dde8c

--------------------------------------------------------------------------------

Revision date (fixed version):

2009-12-14 07:51:05 +0000

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Bug report id:

LANG-552

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Bug report url:

https://issues.apache.org/jira/browse/LANG-552

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang3.StringUtilsTest::testReplace\_StringStringArrayStringArray

--> java.lang.NullPointerException

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List of modified sources:

- org.apache.commons.lang3.StringUtils

--------------------------------------------------------------------------------

**Bug40**

diff -r /tmp/lang\_40b/src/java/org/apache/commons/lang/StringUtils.java /tmp/lang\_40f/src/java/org/apache/commons/lang/StringUtils.java

1048c1048,1055

**< return contains(str.toUpperCase(), searchStr.toUpperCase());**

**---**

**> int len = searchStr.length();**

**> int max = str.length() - len;**

**> for (int i = 0; i <= max; i++) {**

**> if (str.regionMatches(true, i, searchStr, 0, len)) {**

**> return true;**

**> }**

**> }**

**> return false;**

Summary for Bug: Lang-40

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Revision ID (fixed version):

8b1a8e178abb46cc048a3982636b8ec4e6ffc8dc

--------------------------------------------------------------------------------

Revision date (fixed version):

2009-10-22 05:46:33 +0000

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Bug report id:

LANG-432

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Bug report url:

https://issues.apache.org/jira/browse/LANG-432

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang.StringUtilsEqualsIndexOfTest::testContainsIgnoreCase\_LocaleIndependence

--> junit.framework.AssertionFailedError: en: 0 √Я SS

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.StringUtils

--------------------------------------------------------------------------------

**Bug41**

diff -r /tmp/lang\_41b/src/java/org/apache/commons/lang/ClassUtils.java /tmp/lang\_41f/src/java/org/apache/commons/lang/ClassUtils.java

190a191

**> StringBuffer arrayPrefix = new StringBuffer();**

**192a194,198**

**> if (className.startsWith("[")) {**

**> while (className.charAt(0) == '[') {**

**> className = className.substring(1);**

**> arrayPrefix.append("[]");**

**> }**

**193a200,203**

**> if (className.charAt(0) == 'L' && className.charAt(className.length() - 1) == ';') {**

**> className = className.substring(1, className.length() - 1);**

**> }**

**> }**

**194a205,207**

**> if (reverseAbbreviationMap.containsKey(className)) {**

**> className = reverseAbbreviationMap.get(className);**

**> }**

**203c216**

**< return out;**

**---**

**> return out + arrayPrefix;**

**245c258**

**< if (className == null) {**

**---**

**> if (className == null || className.length() == 0) {**

**249a263,265**

**> while (className.charAt(0) == '[') {**

**> className = className.substring(1);**

**> }**

**250a267,269**

**> if (className.charAt(0) == 'L' && className.charAt(className.length() - 1) == ';') {**

**> className = className.substring(1);**

**> }**

Summary for Bug: Lang-41

--------------------------------------------------------------------------------

Revision ID (fixed version):

4d3629f310e84cc24c0e5f09d97f5126692d0128

--------------------------------------------------------------------------------

Revision date (fixed version):

2009-10-15 07:31:32 +0000

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Bug report id:

LANG-535

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Bug report url:

https://issues.apache.org/jira/browse/LANG-535

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Root cause in triggering tests:

- org.apache.commons.lang.ClassUtilsTest::test\_getShortClassName\_Class

--> junit.framework.ComparisonFailure: expected:<String[[]]> but was:<String[;]>

- org.apache.commons.lang.ClassUtilsTest::test\_getPackageName\_Class

--> junit.framework.ComparisonFailure: expected:<[]java.lang> but was:<[[L]java.lang>

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List of modified sources:

- org.apache.commons.lang.ClassUtils

--------------------------------------------------------------------------------

**Bug42**

diff -r /tmp/lang\_42b/src/java/org/apache/commons/lang/Entities.java /tmp/lang\_42f/src/java/org/apache/commons/lang/Entities.java

828c828

**< char c = str.charAt(i);**

**---**

**> int c = Character.codePointAt(str, i);**

**831c831,836**

**< if (c > 0x7F) {**

**---**

**> if (c >= 0x010000 && i < len - 1) {**

**> writer.write("&#");**

**> writer.write(Integer.toString(c, 10));**

**> writer.write(';');**

**> i++;**

**> } else if (c > 0x7F) {**

Summary for Bug: Lang-42

--------------------------------------------------------------------------------

Revision ID (fixed version):

dd2ae757d12554f290931f0b3c05e33ad993ecd1

--------------------------------------------------------------------------------

Revision date (fixed version):

2009-03-01 20:54:40 +0000

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Bug report id:

LANG-480

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Bug report url:

https://issues.apache.org/jira/browse/LANG-480

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang.StringEscapeUtilsTest::testEscapeHtmlHighUnicode

--> junit.framework.ComparisonFailure: High unicode was not escaped correctly expected:<&#[119650];> but was:<&#[55348;&#57186];>

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.Entities

--------------------------------------------------------------------------------

**Bug43**

diff -r /tmp/lang\_43b/src/java/org/apache/commons/lang/text/ExtendedMessageFormat.java /tmp/lang\_43f/src/java/org/apache/commons/lang/text/ExtendedMessageFormat.java

421a422

**> next(pos);**

Summary for Bug: Lang-43

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Revision ID (fixed version):

eb3e2ae1f3734986a9f0225c661888baac3cb13b

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Revision date (fixed version):

2009-01-09 22:05:14 +0000

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Bug report id:

LANG-477

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Bug report url:

https://issues.apache.org/jira/browse/LANG-477

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Root cause in triggering tests:

- org.apache.commons.lang.text.ExtendedMessageFormatTest::testEscapedQuote\_LANG\_477

--> java.lang.OutOfMemoryError: Java heap space

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.text.ExtendedMessageFormat

--------------------------------------------------------------------------------

**Bug44**

diff -r /tmp/lang\_44b/src/java/org/apache/commons/lang/NumberUtils.java /tmp/lang\_44f/src/java/org/apache/commons/lang/NumberUtils.java

144a145,147

**> if (val.length() == 1 && !Character.isDigit(val.charAt(0))) {**

**> throw new NumberFormatException(val + " is not a valid number.");**

**> }**

Summary for Bug: Lang-44

--------------------------------------------------------------------------------

Revision ID (fixed version):

81f10d7f1ef52d44f43b38d81ac3dc1c83d45134

--------------------------------------------------------------------------------

Revision date (fixed version):

2008-11-05 16:33:25 +0000

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Bug report id:

LANG-457

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Bug report url:

https://issues.apache.org/jira/browse/LANG-457

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Root cause in triggering tests:

- org.apache.commons.lang.NumberUtilsTest::testLang457

--> java.lang.StringIndexOutOfBoundsException: String index out of range: 0

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.NumberUtils

--------------------------------------------------------------------------------

**Bug45**

diff -r /tmp/lang\_45b/src/java/org/apache/commons/lang/WordUtils.java /tmp/lang\_45f/src/java/org/apache/commons/lang/WordUtils.java

615a616,618

**> if (lower > str.length()) {**

**> lower = str.length();**

**> }**

Summary for Bug: Lang-45

--------------------------------------------------------------------------------

Revision ID (fixed version):

d95fcd8e24568b4f9d3cb9da922a4029e293c793

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Revision date (fixed version):

2008-05-11 05:18:02 +0000

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Bug report id:

LANG-419

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Bug report url:

https://issues.apache.org/jira/browse/LANG-419

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang.WordUtilsTest::testAbbreviate

--> java.lang.StringIndexOutOfBoundsException: String index out of range: 15

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.WordUtils

--------------------------------------------------------------------------------

**Bug46**

diff -r /tmp/lang\_46b/src/java/org/apache/commons/lang/StringEscapeUtils.java /tmp/lang\_46f/src/java/org/apache/commons/lang/StringEscapeUtils.java

86c86

**< return escapeJavaStyleString(str, false);**

**---**

**> return escapeJavaStyleString(str, false, false);**

**102c102**

**< escapeJavaStyleString(out, str, false);**

**---**

**> escapeJavaStyleString(out, str, false, false);**

**127c127**

**< return escapeJavaStyleString(str, true);**

**---**

**> return escapeJavaStyleString(str, true, true);**

**143c143**

**< escapeJavaStyleString(out, str, true);**

**---**

**> escapeJavaStyleString(out, str, true, true);**

**154c154**

**< private static String escapeJavaStyleString(String str, boolean escapeSingleQuotes) {**

**---**

**> private static String escapeJavaStyleString(String str, boolean escapeSingleQuotes, boolean escapeForwardSlash) {**

**160c160**

**< escapeJavaStyleString(writer, str, escapeSingleQuotes);**

**---**

**> escapeJavaStyleString(writer, str, escapeSingleQuotes, escapeForwardSlash);**

**178c178,179**

**< private static void escapeJavaStyleString(Writer out, String str, boolean escapeSingleQuote) throws IOException {**

**---**

**> private static void escapeJavaStyleString(Writer out, String str, boolean escapeSingleQuote,**

**> boolean escapeForwardSlash) throws IOException {**

**243a245**

**> if (escapeForwardSlash) {**

**244a247**

**> }**

--------------------------------------------------------------------------------

Revision ID (fixed version):

916639bda234a8e5a030361c4068667764b34cb7

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Revision date (fixed version):

2008-04-02 16:08:21 +0000

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Bug report id:

LANG-421

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Bug report url:

https://issues.apache.org/jira/browse/LANG-421

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Root cause in triggering tests:

- org.apache.commons.lang.StringEscapeUtilsTest::testEscapeJavaWithSlash

--> junit.framework.ComparisonFailure: expected:<...tring with a slash ([]/) in it> but was:<...tring with a slash ([\]/) in it>

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.StringEscapeUtils

--------------------------------------------------------------------------------

**Bug47**

diff -r /tmp/lang\_47b/src/java/org/apache/commons/lang/text/StrBuilder.java /tmp/lang\_47f/src/java/org/apache/commons/lang/text/StrBuilder.java

1185a1186,1188

**> if (str == null) {**

**> str = "";**

**> }**

**1229a1233,1235**

**> if (str == null) {**

**> str = "";**

**> }**

Summary for Bug: Lang-47

--------------------------------------------------------------------------------

Revision ID (fixed version):

d5e343049c2610c31ddacb24f0d173942f6d5ac9

--------------------------------------------------------------------------------

Revision date (fixed version):

2008-02-13 05:44:46 +0000

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Bug report id:

LANG-412

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Bug report url:

https://issues.apache.org/jira/browse/LANG-412

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Root cause in triggering tests:

- org.apache.commons.lang.text.StrBuilderTest::testLang412Left

--> java.lang.NullPointerException

- org.apache.commons.lang.text.StrBuilderTest::testLang412Right

--> java.lang.NullPointerException

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.text.StrBuilder

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**Bug48**

diff -r /tmp/lang\_48b/src/java/org/apache/commons/lang/builder/EqualsBuilder.java /tmp/lang\_48f/src/java/org/apache/commons/lang/builder/EqualsBuilder.java

**379a380,382**

**> if (lhs instanceof java.math.BigDecimal) {**

**> isEquals = (((java.math.BigDecimal)lhs).compareTo(rhs) == 0);**

**> } else {**

**381a385**

**> }**

Summary for Bug: Lang-48

--------------------------------------------------------------------------------

Revision ID (fixed version):

eb8f74efb75e71fc91e515a38becc2aac203e339

--------------------------------------------------------------------------------

Revision date (fixed version):

2008-01-13 07:00:22 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-393

--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-393

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang.builder.EqualsBuilderTest::testBigDecimal

--> junit.framework.AssertionFailedError

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List of modified sources:

- org.apache.commons.lang.builder.EqualsBuilder

--------------------------------------------------------------------------------

**Bug49**

diff -r /tmp/lang\_49b/src/java/org/apache/commons/lang/math/Fraction.java /tmp/lang\_49f/src/java/org/apache/commons/lang/math/Fraction.java

465a466,468

**> if (numerator == 0) {**

**> return equals(ZERO) ? this : ZERO;**

**> }**

Summary for Bug: Lang-49

--------------------------------------------------------------------------------

Revision ID (fixed version):

0ac772a4e3b07287c435fdc3c812f67277c85cc8

--------------------------------------------------------------------------------

Revision date (fixed version):

2007-11-29 16:25:54 +0000

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Bug report id:

LANG-380

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Bug report url:

https://issues.apache.org/jira/browse/LANG-380

--------------------------------------------------------------------------------  
infinite loop in Fraction.reduce when numerator == 0

Root cause in triggering tests:

- org.apache.commons.lang.math.FractionTest::testReduce

--> junit.framework.AssertionFailedError: expected:<1> but was:<100>

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.math.Fraction

--------------------------------------------------------------------------------

**Bug50**

diff -r /tmp/lang\_50b/src/java/org/apache/commons/lang/time/FastDateFormat.java /tmp/lang\_50f/src/java/org/apache/commons/lang/time/FastDateFormat.java

285,286c285,286

**< if (locale != null) {**

**< key = new Pair(key, locale);**

**---**

**> if (locale == null) {**

**> locale = Locale.getDefault();**

**288a289**

**> key = new Pair(key, locale);**

**292,294d292**

**< if (locale == null) {**

**< locale = Locale.getDefault();**

**< }**

**465,466c463,464**

**< if (locale != null) {**

**< key = new Pair(key, locale);**

**---**

**> if (locale == null) {**

**> locale = Locale.getDefault();**

**467a466**

**> key = new Pair(key, locale);**

**471,473d469**

**< if (locale == null) {**

**< locale = Locale.getDefault();**

**< }**

Summary for Bug: Lang-50

--------------------------------------------------------------------------------

Revision ID (fixed version):

659ef247b1452b6d5b9f92271357381fa59fea50

--------------------------------------------------------------------------------

Revision date (fixed version):

2007-10-31 03:58:52 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-368

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Bug report url:

https://issues.apache.org/jira/browse/LANG-368

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang.time.FastDateFormatTest::test\_changeDefault\_Locale\_DateInstance

--> junit.framework.AssertionFailedError: expected same:<de\_DE> was not:<en\_US>

- org.apache.commons.lang.time.FastDateFormatTest::test\_changeDefault\_Locale\_DateTimeInstance

--> junit.framework.AssertionFailedError: expected same:<de\_DE> was not:<en\_US>

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.time.FastDateFormat

--------------------------------------------------------------------------------

**Bug51**

diff -r /tmp/lang\_51b/src/java/org/apache/commons/lang/BooleanUtils.java /tmp/lang\_51f/src/java/org/apache/commons/lang/BooleanUtils.java

681a682

**> return false;**

Summary for Bug: Lang-51

--------------------------------------------------------------------------------

Revision ID (fixed version):

a5589b39e985e64861bd920aa7b13ab32c215b06

--------------------------------------------------------------------------------

Revision date (fixed version):

2007-10-27 05:07:45 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-365

--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-365

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang.BooleanUtilsTest::test\_toBoolean\_String

--> java.lang.StringIndexOutOfBoundsException: String index out of range: 3

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.BooleanUtils

--------------------------------------------------------------------------------

**Bug52**

diff -r /tmp/lang\_52b/src/java/org/apache/commons/lang/StringEscapeUtils.java /tmp/lang\_52f/src/java/org/apache/commons/lang/StringEscapeUtils.java

235a236,239

**> case '/':**

**> out.write('\\');**

**> out.write('/');**

**> break;**

Summary for Bug: Lang-52

--------------------------------------------------------------------------------

Revision ID (fixed version):

868f6976aea222e96259843f56df9aed8e48584b

--------------------------------------------------------------------------------

Revision date (fixed version):

2007-10-26 06:08:54 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-363

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Bug report url:

https://issues.apache.org/jira/browse/LANG-363

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang.StringEscapeUtilsTest::testEscapeJavaScript

--> junit.framework.ComparisonFailure: expected:<...ipt>alert(\'aaa\');<[\]/script>\';> but was:<...ipt>alert(\'aaa\');<[]/script>\';>

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.StringEscapeUtils

--------------------------------------------------------------------------------

**Bug53**

diff -r /tmp/lang\_53b/src/java/org/apache/commons/lang/time/DateUtils.java /tmp/lang\_53f/src/java/org/apache/commons/lang/time/DateUtils.java

**642a643**

**> }**

**645d645**

**< }**

**651a652**

**> }**

**654d654**

**< }**

Summary for Bug: Lang-53

--------------------------------------------------------------------------------

Revision ID (fixed version):

d3b1163073c7aeb6011a5b65bfadad15bfc0f108

--------------------------------------------------------------------------------

Revision date (fixed version):

2007-08-09 00:24:59 +0000

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Bug report id:

LANG-346

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Bug report url:

https://issues.apache.org/jira/browse/LANG-346

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Root cause in triggering tests:

- org.apache.commons.lang.time.DateUtilsTest::testRoundLang346

--> junit.framework.AssertionFailedError: Minute Round Up Failed expected:<Mon Jul 02 08:09:00 PDT 2007> but was:<Mon Jul 02 08:01:00 PDT 2007>

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.time.DateUtils

--------------------------------------------------------------------------------

**Bug54**

diff -r /tmp/lang\_54b/src/java/org/apache/commons/lang/LocaleUtils.java /tmp/lang\_54f/src/java/org/apache/commons/lang/LocaleUtils.java

**113a114,116**

**> if (ch3 == '\_') {**

**> return new Locale(str.substring(0, 2), "", str.substring(4));**

**> }**

Summary for Bug: Lang-54

--------------------------------------------------------------------------------

Revision ID (fixed version):

e89e8d62b911340cc5b293465cdae909f3dfd640

--------------------------------------------------------------------------------

Revision date (fixed version):

2007-05-01 23:50:01 +0000

--------------------------------------------------------------------------------

Bug report id:

LANG-328

--------------------------------------------------------------------------------

Bug report url:

https://issues.apache.org/jira/browse/LANG-328

--------------------------------------------------------------------------------

Root cause in triggering tests:

- org.apache.commons.lang.LocaleUtilsTest::testLang328

--> java.lang.IllegalArgumentException: Invalid locale format: fr\_\_POSIX

--------------------------------------------------------------------------------

List of modified sources:

- org.apache.commons.lang.LocaleUtils

--------------------------------------------------------------------------------

**Bug55**

diff -r /tmp/lang\_55b/src/java/org/apache/commons/lang/time/StopWatch.java /tmp/lang\_55f/src/java/org/apache/commons/lang/time/StopWatch.java

**117a118**

**> if(this.runningState == STATE\_RUNNING) {**

**118a120**

**> }**

Summary for Bug: Lang-55

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Revision ID (fixed version):

3ef8a796b5ddf87e3e9afec9ba94aac62681b394

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Revision date (fixed version):

2007-02-06 22:49:50 +0000

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Bug report id:

LANG-315

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Bug report url:

https://issues.apache.org/jira/browse/LANG-315

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Root cause in triggering tests:

- org.apache.commons.lang.time.StopWatchTest::testLang315

--> junit.framework.AssertionFailedError

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List of modified sources:

- org.apache.commons.lang.time.StopWatch

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**Bug56**

diff -r /tmp/lang\_56b/src/java/org/apache/commons/lang/time/FastDateFormat.java /tmp/lang\_56f/src/java/org/apache/commons/lang/time/FastDateFormat.java

140c140

**< private Rule[] mRules;**

**---**

**> private transient Rule[] mRules;**

**144c144**

**< private int mMaxLengthEstimate;**

**---**

**> private transient int mMaxLengthEstimate;**

**1021a1022,1025**

**> private void readObject(ObjectInputStream in) throws IOException, ClassNotFoundException {**

**> in.defaultReadObject();**

**> init();**

**> }**

Summary for Bug: Lang-56

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Revision ID (fixed version):

672e3a8ead2970181c32cf5fc70a3ea3d020c1fc

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Revision date (fixed version):

2006-12-26 22:05:47 +0000

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Bug report id:

LANG-303

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Bug report url:

https://issues.apache.org/jira/browse/LANG-303

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Root cause in triggering tests:

- org.apache.commons.lang.time.FastDateFormatTest::testLang303

--> org.apache.commons.lang.SerializationException: java.io.NotSerializableException: org.apache.commons.lang.time.FastDateFormat$PaddedNumberField

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List of modified sources:

- org.apache.commons.lang.time.FastDateFormat

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**Bug57**

diff -r /tmp/lang\_57b/src/java/org/apache/commons/lang/LocaleUtils.java /tmp/lang\_57f/src/java/org/apache/commons/lang/LocaleUtils.java

223c223

**< return cAvailableLocaleSet.contains(locale);**

**---**

**> return availableLocaleList().contains(locale);**

Summary for Bug: Lang-57

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Revision ID (fixed version):

bbd990b81fd7f8ab9dde75c8070b973b9ce500fc

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Revision date (fixed version):

2006-12-22 20:34:37 +0000

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Bug report id:

LANG-304

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Bug report url:

https://issues.apache.org/jira/browse/LANG-304

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Root cause in triggering tests:

- org.apache.commons.lang.LocaleUtilsTest::testAvailableLocaleSet

--> java.lang.NullPointerException

- org.apache.commons.lang.LocaleUtilsTest::testIsAvailableLocale

--> java.lang.NullPointerException

- org.apache.commons.lang.LocaleUtilsTest::testAvailableLocaleList

--> java.lang.NullPointerException

- org.apache.commons.lang.LocaleUtilsTest::testCountriesByLanguage

--> java.lang.NullPointerException

- org.apache.commons.lang.LocaleUtilsTest::testLocaleLookupList\_LocaleLocale

--> java.lang.NullPointerException

- org.apache.commons.lang.LocaleUtilsTest::testLanguagesByCountry

--> java.lang.NullPointerException

- org.apache.commons.lang.LocaleUtilsTest::testToLocale\_1Part

--> java.lang.NullPointerException

- org.apache.commons.lang.LocaleUtilsTest::testToLocale\_2Part

--> java.lang.NullPointerException

- org.apache.commons.lang.LocaleUtilsTest::testToLocale\_3Part

--> java.lang.NullPointerException

- org.apache.commons.lang.LocaleUtilsTest::testLocaleLookupList\_Locale

--> java.lang.NullPointerException

- org.apache.commons.lang.LocaleUtilsTest::testConstructor

--> java.lang.NullPointerException

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List of modified sources:

- org.apache.commons.lang.LocaleUtils

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**Bug58**

diff -r /tmp/lang\_58b/src/java/org/apache/commons/lang/math/NumberUtils.java /tmp/lang\_58f/src/java/org/apache/commons/lang/math/NumberUtils.java

454,455c454

**< && isDigits(numeric.substring(1))**

**< && (numeric.charAt(0) == '-' || Character.isDigit(numeric.charAt(0)))) {**

**---**

**> && (numeric.charAt(0) == '-' && isDigits(numeric.substring(1)) || isDigits(numeric))) {**

Summary for Bug: Lang-58

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Revision ID (fixed version):

1fd45a4f68ea497dfbdf1a67b8b8805a4a9b1166

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Revision date (fixed version):

2006-12-19 21:50:04 +0000

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Bug report id:

LANG-300

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Bug report url:

https://issues.apache.org/jira/browse/LANG-300

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Root cause in triggering tests:

- org.apache.commons.lang.math.NumberUtilsTest::testLang300

--> java.lang.NumberFormatException: 1l is not a valid number.

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List of modified sources:

- org.apache.commons.lang.math.NumberUtils

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**Bug59**

diff -r /tmp/lang\_59b/src/java/org/apache/commons/lang/text/StrBuilder.java /tmp/lang\_59f/src/java/org/apache/commons/lang/text/StrBuilder.java

**884c884**

**< str.getChars(0, strLen, buffer, size);**

**---**

**> str.getChars(0, width, buffer, size);**

Summary for Bug: Lang-59

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Revision ID (fixed version):

c04cd2337786ce7d54ed1fb757192fb8bc8c5e41

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Revision date (fixed version):

2006-12-12 22:34:39 +0000

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Bug report id:

LANG-299

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Bug report url:

https://issues.apache.org/jira/browse/LANG-299

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Root cause in triggering tests:

- org.apache.commons.lang.text.StrBuilderAppendInsertTest::testLang299

--> java.lang.ArrayIndexOutOfBoundsException

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List of modified sources:

- org.apache.commons.lang.text.StrBuilder

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**Bug60**

diff -r /tmp/lang\_60b/src/java/org/apache/commons/lang/text/StrBuilder.java /tmp/lang\_60f/src/java/org/apache/commons/lang/text/StrBuilder.java

1673c1673

**< for (int i = 0; i < thisBuf.length; i++) {**

**---**

**> for (int i = 0; i < this.size; i++) {**

**1730c1730**

**< for (int i = startIndex; i < thisBuf.length; i++) {**

**---**

**> for (int i = startIndex; i < size; i++) {**

Summary for Bug: Lang-60

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Revision ID (fixed version):

a8203b65261110c4a30ff69fe0da7a2390d82757

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Revision date (fixed version):

2006-10-31 23:00:54 +0000

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Bug report id:

LANG-295

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Bug report url:

https://issues.apache.org/jira/browse/LANG-295

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Root cause in triggering tests:

- org.apache.commons.lang.text.StrBuilderTest::testLang295

--> junit.framework.AssertionFailedError: The contains(char) method is looking beyond the end of the string

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List of modified sources:

- org.apache.commons.lang.text.StrBuilder

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**Bug61**

diff -r /tmp/lang\_61b/src/java/org/apache/commons/lang/text/StrBuilder.java /tmp/lang\_61f/src/java/org/apache/commons/lang/text/StrBuilder.java

1776c1776

**< int len = thisBuf.length - strLen;**

**---**

**> int len = size - strLen + 1;**

Summary for Bug: Lang-61

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Revision ID (fixed version):

88c76d207f642831ca899e144159424aaa60cf8e

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Revision date (fixed version):

2006-10-31 22:15:00 +0000

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Bug report id:

LANG-294

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Bug report url:

https://issues.apache.org/jira/browse/LANG-294

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Root cause in triggering tests:

- org.apache.commons.lang.text.StrBuilderTest::testIndexOfLang294

--> junit.framework.AssertionFailedError: expected:<-1> but was:<6>

- org.apache.commons.lang.text.StrBuilderTest::testLang294

--> java.lang.ArrayIndexOutOfBoundsException

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List of modified sources:

- org.apache.commons.lang.text.StrBuilder

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**Bug62**

diff -r /tmp/lang\_62b/src/java/org/apache/commons/lang/Entities.java /tmp/lang\_62f/src/java/org/apache/commons/lang/Entities.java

**849a850,852**

**> if (entityValue > 0xFFFF) {**

**> entityValue = -1;**

**> }**

**919a923**

**> break;**

**924a929,931**

**> if (entityValue > 0xFFFF) {**

**> entityValue = -1;**

**> }**

**925a933**

**> entityValue = -1;**

Summary for Bug: Lang-62

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Revision ID (fixed version):

1313a65c11dea54f1baf492d4185fb2d673b6716

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Revision date (fixed version):

2006-10-31 21:34:03 +0000

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Bug report id:

LANG-292

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Bug report url:

https://issues.apache.org/jira/browse/LANG-292

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Root cause in triggering tests:

- org.apache.commons.lang.EntitiesTest::testNumberOverflow

--> junit.framework.ComparisonFailure: expected:<[&#12345678;]> but was:<[жЕО]>

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List of modified sources:

- org.apache.commons.lang.Entities

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**Bug63**

diff -r /tmp/lang\_63b/src/java/org/apache/commons/lang/time/DurationFormatUtils.java /tmp/lang\_63f/src/java/org/apache/commons/lang/time/DurationFormatUtils.java

306c306,307

**< days += 31;**

**---**

**> end.add(Calendar.MONTH, -1);**

**> days += end.getActualMaximum(Calendar.DAY\_OF\_MONTH);**

**312a314**

**> end.add(Calendar.MONTH, 1);**

**318,324d319**

**< milliseconds -= reduceAndCorrect(start, end, Calendar.MILLISECOND, milliseconds);**

**< seconds -= reduceAndCorrect(start, end, Calendar.SECOND, seconds);**

**< minutes -= reduceAndCorrect(start, end, Calendar.MINUTE, minutes);**

**< hours -= reduceAndCorrect(start, end, Calendar.HOUR\_OF\_DAY, hours);**

**< days -= reduceAndCorrect(start, end, Calendar.DAY\_OF\_MONTH, days);**

**< months -= reduceAndCorrect(start, end, Calendar.MONTH, months);**

**< years -= reduceAndCorrect(start, end, Calendar.YEAR, years);**

**431,442d425**

**< }**

**< static int reduceAndCorrect(Calendar start, Calendar end, int field, int difference) {**

**< end.add( field, -1 \* difference );**

**< int endValue = end.get(field);**

**< int startValue = start.get(field);**

**< if (endValue < startValue) {**

**< int newdiff = startValue - endValue;**

**< end.add( field, newdiff );**

**< return newdiff;**

**< } else {**

**< return 0;**

**< }**

Summary for Bug: Lang-63

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Revision ID (fixed version):

0695c3f71e3fc5abe29d8b9b33eed7faac7e73bf

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Revision date (fixed version):

2006-10-07 00:22:42 +0000

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Bug report id:

LANG-281

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Bug report url:

https://issues.apache.org/jira/browse/LANG-281

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Root cause in triggering tests:

- org.apache.commons.lang.time.DurationFormatUtilsTest::testJiraLang281

--> junit.framework.ComparisonFailure: expected:<[09]> but was:<[-2]>

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List of modified sources:

- org.apache.commons.lang.time.DurationFormatUtils

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**Bug64**

diff -r /tmp/lang\_64b/src/java/org/apache/commons/lang/enums/ValuedEnum.java /tmp/lang\_64f/src/java/org/apache/commons/lang/enums/ValuedEnum.java

182a183,192

**> if (other == this) {**

**> return 0;**

**> }**

**> if (other.getClass() != this.getClass()) {**

**> if (other.getClass().getName().equals(this.getClass().getName())) {**

**> return iValue - getValueInOtherClassLoader(other);**

**> }**

**> throw new ClassCastException(**

**> "Different enum class '" + ClassUtils.getShortClassName(other.getClass()) + "'");**

**> }**

**191a202,207**

**> private int getValueInOtherClassLoader(Object other) {**

**> try {**

**> Method mth = other.getClass().getMethod("getValue", null);**

**> Integer value = (Integer) mth.invoke(other, null);**

**> return value.intValue();**

**> } catch (NoSuchMethodException e) {**

**192a209**

**> } catch (IllegalAccessException e) {**

**193a211**

**> } catch (InvocationTargetException e) {**

**194a213,215**

**> }**

**> throw new IllegalStateException("This should not happen");**

**> }**

Summary for Bug: Lang-64

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Revision ID (fixed version):

8de71ae52958ae70fe651b7327319c9beecd9b84

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Revision date (fixed version):

2006-08-18 22:21:47 +0000

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Bug report id:

LANG-259

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Bug report url:

https://issues.apache.org/jira/browse/LANG-259

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Root cause in triggering tests:

- org.apache.commons.lang.enums.ValuedEnumTest::testCompareTo\_otherEnumType

--> junit.framework.AssertionFailedError

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List of modified sources:

- org.apache.commons.lang.enums.ValuedEnum

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