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

Summary of configuration for Project: Chart

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

Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

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

Project ID: Chart

Program: jfreechart

Build file: /defects4j/framework/projects/Chart/Chart.build.xml

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

Vcs: Vcs::Svn

Repository: file:///defects4j/project\_repos/jfreechart/trunk

Commit db: /defects4j/framework/projects/Chart/active-bugs.csv

Number of bugs: 26

-------------------------------------------------------------------------------- **Bug1**

diff -r /tmp/chart\_1b/source/org/jfree/chart/renderer/category/AbstractCategoryItemRenderer.java /tmp/chart\_1f/source/org/jfree/chart/renderer/category/AbstractCategoryItemRenderer.java

1797c1797

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

**---**

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

Summary for Bug: Chart-1

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

Revision ID (fixed version):

2266

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

Revision date (fixed version):

2010-02-09 13:23:49 -0800

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

Bug report id:

983

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

Bug report url:

https://sourceforge.net/p/jfreechart/bugs/983

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

Root cause in triggering tests:

- org.jfree.chart.renderer.category.junit.AbstractCategoryItemRendererTests::test2947660

--> junit.framework.AssertionFailedError: expected:<1> but was:<0>

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

List of modified sources:

- org.jfree.chart.renderer.category.AbstractCategoryItemRenderer

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

**Bug2**

diff -r /tmp/chart\_2b/source/org/jfree/data/general/DatasetUtilities.java /tmp/chart\_2f/source/org/jfree/data/general/DatasetUtilities.java

**754a755**

**> double value = intervalXYData.getXValue(series, item);**

**756a758,761**

**> if (!Double.isNaN(value)) {**

**> minimum = Math.min(minimum, value);**

**> maximum = Math.max(maximum, value);**

**> }**

**758a764**

**> maximum = Math.max(maximum, lvalue);**

**760a767**

**> minimum = Math.min(minimum, uvalue);**

**1241a1249**

**> double value = ixyd.getYValue(series, item);**

**1243a1252,1255**

**> if (!Double.isNaN(value)) {**

**> minimum = Math.min(minimum, value);**

**> maximum = Math.max(maximum, value);**

**> }**

**1245a1258**

**> maximum = Math.max(maximum, lvalue);**

**1247a1261**

**> minimum = Math.min(minimum, uvalue);**

Summary for Bug: Chart-2

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

Revision ID (fixed version):

2242

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

Revision date (fixed version):

2009-09-15 22:49:25 -0700

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

Bug report id:

959

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

Bug report url:

https://sourceforge.net/p/jfreechart/bugs/959

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

Root cause in triggering tests:

- org.jfree.data.general.junit.DatasetUtilitiesTests::testBug2849731\_2

--> java.lang.NullPointerException

- org.jfree.data.general.junit.DatasetUtilitiesTests::testBug2849731\_3

--> java.lang.NullPointerException

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

List of modified sources:

- org.jfree.data.general.DatasetUtilities

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

**Bug3**

diff -r /tmp/chart\_3b/source/org/jfree/data/time/TimeSeries.java /tmp/chart\_3f/source/org/jfree/data/time/TimeSeries.java

**1056a1057,1058**

**> copy.minY = Double.NaN;**

**> copy.maxY = Double.NaN;**

Summary for Bug: Chart-3

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

Revision ID (fixed version):

2227

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

Revision date (fixed version):

2009-08-31 13:54:18 -0700

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

Bug report id:

UNKNOWN

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

Bug report url:

UNKNOWN

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

Root cause in triggering tests:

- org.jfree.data.time.junit.TimeSeriesTests::testCreateCopy3

--> junit.framework.AssertionFailedError: expected:<101.0> but was:<102.0>

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

List of modified sources:

- org.jfree.data.time.TimeSeries

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

**Bug4**

diff -r /tmp/chart\_4b/source/org/jfree/chart/plot/XYPlot.java /tmp/chart\_4f/source/org/jfree/chart/plot/XYPlot.java

**4492a4493**

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

**4500a4502**

**> }**

Summary for Bug: Chart-4

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

Revision ID (fixed version):

2183

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

Revision date (fixed version):

2009-06-29 11:18:43 -0700

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

Bug report id:

UNKNOWN

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

Bug report url:

UNKNOWN

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

Root cause in triggering tests:

- org.jfree.chart.axis.junit.LogAxisTests::testXYAutoRange1

--> java.lang.NullPointerException

- org.jfree.chart.axis.junit.LogAxisTests::testXYAutoRange2

--> java.lang.NullPointerException

- org.jfree.chart.axis.junit.NumberAxisTests::testXYAutoRange1

--> java.lang.NullPointerException

- org.jfree.chart.axis.junit.NumberAxisTests::testXYAutoRange2

--> java.lang.NullPointerException

- org.jfree.chart.axis.junit.ValueAxisTests::testAxisMargins

--> java.lang.NullPointerException

- org.jfree.chart.junit.JFreeChartTests::testSerialization4

--> java.lang.NullPointerException

- org.jfree.chart.junit.ScatterPlotTests::testDrawWithNullInfo

--> java.lang.NullPointerException

- org.jfree.chart.junit.ScatterPlotTests::testSetSeriesToolTipGenerator

--> java.lang.NullPointerException

- org.jfree.chart.junit.ScatterPlotTests::testReplaceDataset

--> java.lang.NullPointerException

- org.jfree.chart.junit.TimeSeriesChartTests::testDrawWithNullInfo

--> java.lang.NullPointerException

- org.jfree.chart.junit.TimeSeriesChartTests::testSetSeriesToolTipGenerator

--> java.lang.NullPointerException

- org.jfree.chart.junit.TimeSeriesChartTests::testReplaceDataset

--> java.lang.NullPointerException

- org.jfree.chart.junit.XYAreaChartTests::testDrawWithNullInfo

--> java.lang.NullPointerException

- org.jfree.chart.junit.XYAreaChartTests::testSetSeriesToolTipGenerator

--> java.lang.NullPointerException

- org.jfree.chart.junit.XYAreaChartTests::testReplaceDataset

--> java.lang.NullPointerException

- org.jfree.chart.junit.XYStepAreaChartTests::testDrawWithNullInfo

--> java.lang.NullPointerException

- org.jfree.chart.junit.XYStepAreaChartTests::testSetSeriesToolTipGenerator

--> java.lang.NullPointerException

- org.jfree.chart.junit.XYStepAreaChartTests::testReplaceDataset

--> java.lang.NullPointerException

- org.jfree.chart.junit.XYStepChartTests::testDrawWithNullInfo

--> java.lang.NullPointerException

- org.jfree.chart.junit.XYStepChartTests::testSetSeriesToolTipGenerator

--> java.lang.NullPointerException

- org.jfree.chart.junit.XYStepChartTests::testReplaceDataset

--> java.lang.NullPointerException

- org.jfree.chart.plot.junit.XYPlotTests::testDrawRangeGridlines

--> java.lang.NullPointerException

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

List of modified sources:

- org.jfree.chart.plot.XYPlot

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

**Bug5**

diff -r /tmp/chart\_5b/source/org/jfree/data/xy/XYSeries.java /tmp/chart\_5f/source/org/jfree/data/xy/XYSeries.java

543a544,547

**> if (this.allowDuplicateXValues) {**

**> add(x, y);**

**> return null;**

**> }**

**548c552**

**< if (index >= 0 && !this.allowDuplicateXValues) {**

**---**

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

Summary for Bug: Chart-5

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

Revision ID (fixed version):

1696

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

Revision date (fixed version):

2008-11-24 01:19:36 -0800

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

Bug report id:

862

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

Bug report url:

https://sourceforge.net/p/jfreechart/bugs/862

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

Root cause in triggering tests:

- org.jfree.data.xy.junit.XYSeriesTests::testBug1955483

--> java.lang.IndexOutOfBoundsException: Index: -1, Size: 1

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

List of modified sources:

- org.jfree.data.xy.XYSeries

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

**Bug6**

diff -r /tmp/chart\_6b/source/org/jfree/chart/util/ShapeList.java /tmp/chart\_6f/source/org/jfree/chart/util/ShapeList.java

111c111,118

**< return super.equals(obj);**

**---**

**> ShapeList that = (ShapeList) obj;**

**> int listSize = size();**

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

**> if (!ShapeUtilities.equal((Shape) get(i), (Shape) that.get(i))) {**

**> return false;**

**> }**

**> }**

**> return true;**

Summary for Bug: Chart-6

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

Revision ID (fixed version):

1166

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

Revision date (fixed version):

2008-06-17 01:44:13 -0700

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

Bug report id:

UNKNOWN

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

Bug report url:

UNKNOWN

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

Root cause in triggering tests:

- org.jfree.chart.util.junit.ShapeListTests::testSerialization

--> junit.framework.AssertionFailedError: expected:<org.jfree.chart.util.ShapeList@cef18a3f> but was:<org.jfree.chart.util.ShapeList@e657ea8d>

- org.jfree.chart.util.junit.ShapeListTests::testEquals

--> junit.framework.AssertionFailedError

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

List of modified sources:

- org.jfree.chart.util.ShapeList

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

**Bug7**

diff -r /tmp/chart\_7b/source/org/jfree/data/time/TimePeriodValues.java /tmp/chart\_7f/source/org/jfree/data/time/TimePeriodValues.java

300c300

**< long s = getDataItem(this.minMiddleIndex).getPeriod().getStart()**

**---**

**> long s = getDataItem(this.maxMiddleIndex).getPeriod().getStart()**

**302c302**

**< long e = getDataItem(this.minMiddleIndex).getPeriod().getEnd()**

**---**

**> long e = getDataItem(this.maxMiddleIndex).getPeriod().getEnd()**

Summary for Bug: Chart-7

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

Revision ID (fixed version):

1087

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

Revision date (fixed version):

2008-06-10 02:22:11 -0700

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

Bug report id:

UNKNOWN

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

Bug report url:

UNKNOWN

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

Root cause in triggering tests:

- org.jfree.data.time.junit.TimePeriodValuesTests::testGetMaxMiddleIndex

--> junit.framework.AssertionFailedError: expected:<1> but was:<3>

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

List of modified sources:

- org.jfree.data.time.TimePeriodValues

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

**Bug8**

diff -r /tmp/chart\_8b/source/org/jfree/data/time/Week.java /tmp/chart\_8f/source/org/jfree/data/time/Week.java

175c175

**< this(time, RegularTimePeriod.DEFAULT\_TIME\_ZONE, Locale.getDefault());**

**---**

**> this(time, zone, Locale.getDefault());**

Summary for Bug: Chart-8

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

Revision ID (fixed version):

1085

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

Revision date (fixed version):

2008-06-10 02:19:11 -0700

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

Bug report id:

UNKNOWN

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

Bug report url:

UNKNOWN

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

Root cause in triggering tests:

- org.jfree.data.time.junit.WeekTests::testConstructor

--> junit.framework.AssertionFailedError: expected:<35> but was:<34>

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

List of modified sources:

- org.jfree.data.time.Week

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

**Bug9**

diff -r /tmp/chart\_9b/source/org/jfree/data/time/TimeSeries.java /tmp/chart\_9f/source/org/jfree/data/time/TimeSeries.java

944c944

**< if (endIndex < 0) {**

**---**

**> if ((endIndex < 0) || (endIndex < startIndex)) {**

Summary for Bug: Chart-9

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

Revision ID (fixed version):

1083

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

Revision date (fixed version):

2008-06-10 02:08:12 -0700

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

Bug report id:

818

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

Bug report url:

https://sourceforge.net/p/jfreechart/bugs/818

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

Root cause in triggering tests:

- org.jfree.data.time.junit.TimeSeriesTests::testBug1864222

--> java.lang.IllegalArgumentException: Requires start <= end.

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

List of modified sources:

- org.jfree.data.time.TimeSeries

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

**Bug10**

diff -r /tmp/chart\_10b/source/org/jfree/chart/imagemap/StandardToolTipTagFragmentGenerator.java /tmp/chart\_10f/source/org/jfree/chart/imagemap/StandardToolTipTagFragmentGenerator.java

65c65

**< return " title=\"" + toolTipText**

**---**

**> return " title=\"" + ImageMapUtilities.htmlEscape(toolTipText)**

Summary for Bug: Chart-10

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

Revision ID (fixed version):

1065

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

Revision date (fixed version):

2008-06-10 00:32:29 -0700

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

Bug report id:

UNKNOWN

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

Bug report url:

UNKNOWN

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

Root cause in triggering tests:

- org.jfree.chart.imagemap.junit.StandardToolTipTagFragmentGeneratorTests::testGenerateURLFragment

--> junit.framework.ComparisonFailure: expected:< title="Series [&quot;A&quot;], 100.0" alt=""> but was:< title="Series ["A"], 100.0" alt="">

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

List of modified sources:

- org.jfree.chart.imagemap.StandardToolTipTagFragmentGenerator

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

**Bug11**

diff -r /tmp/chart\_11b/source/org/jfree/chart/util/ShapeUtilities.java /tmp/chart\_11f/source/org/jfree/chart/util/ShapeUtilities.java

275c275

**< PathIterator iterator2 = p1.getPathIterator(null);**

**---**

**> PathIterator iterator2 = p2.getPathIterator(null);**

Summary for Bug: Chart-11

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

Revision ID (fixed version):

1025

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

Revision date (fixed version):

2008-06-02 00:27:30 -0700

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

Bug report id:

868

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

Bug report url:

https://sourceforge.net/p/jfreechart/bugs/868

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

Root cause in triggering tests:

- org.jfree.chart.util.junit.ShapeUtilitiesTests::testEqualGeneralPaths

--> junit.framework.AssertionFailedError

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

List of modified sources:

- org.jfree.chart.util.ShapeUtilities

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

**Bug12**

diff -r /tmp/chart\_12b/source/org/jfree/chart/plot/MultiplePiePlot.java /tmp/chart\_12f/source/org/jfree/chart/plot/MultiplePiePlot.java

145c145

**< this.dataset = dataset;**

**---**

**> setDataset(dataset);**

Summary for Bug: Chart-12

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

Revision ID (fixed version):

852

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

Revision date (fixed version):

2008-04-18 06:49:16 -0700

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

Bug report id:

213

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

Bug report url:

https://sourceforge.net/p/jfreechart/patches/213

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

Root cause in triggering tests:

- org.jfree.chart.plot.junit.MultiplePiePlotTests::testConstructor

--> junit.framework.AssertionFailedError

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

List of modified sources:

- org.jfree.chart.plot.MultiplePiePlot

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

**Bug13**

diff -r /tmp/chart\_13b/source/org/jfree/chart/block/BorderArrangement.java /tmp/chart\_13f/source/org/jfree/chart/block/BorderArrangement.java

455c455

**< new Range(0.0, constraint.getWidth() - w[2]),**

**---**

**> new Range(0.0, Math.max(constraint.getWidth() - w[2], 0.0)),**

Summary for Bug: Chart-13

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

Revision ID (fixed version):

822

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

Revision date (fixed version):

2008-04-08 12:50:42 -0700

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

Bug report id:

UNKNOWN

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

Bug report url:

UNKNOWN

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

Root cause in triggering tests:

- org.jfree.chart.block.junit.BorderArrangementTests::testSizingWithWidthConstraint

--> java.lang.IllegalArgumentException: Range(double, double): require lower (0.0) <= upper (-2.3000000000000007).

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

List of modified sources:

- org.jfree.chart.block.BorderArrangement

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

**Bug14**

diff -r /tmp/chart\_14b/source/org/jfree/chart/plot/CategoryPlot.java /tmp/chart\_14f/source/org/jfree/chart/plot/CategoryPlot.java

2165a2166,2168

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

**> return false;**

**> }**

**2446a2450,2452**

**> }**

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

**> return false;**

**diff -r /tmp/chart\_14b/source/org/jfree/chart/plot/XYPlot.java /tmp/chart\_14f/source/org/jfree/chart/plot/XYPlot.java**

**2292a2293,2295**

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

**> return false;**

**> }**

**2527a2531,2533**

**> }**

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

**> return false;**

Summary for Bug: Chart-14

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

Revision ID (fixed version):

811

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

Revision date (fixed version):

2008-04-07 07:16:39 -0700

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

Bug report id:

UNKNOWN

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

Bug report url:

UNKNOWN

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

Root cause in triggering tests:

- org.jfree.chart.plot.junit.CategoryPlotTests::testRemoveRangeMarker

--> java.lang.NullPointerException

- org.jfree.chart.plot.junit.CategoryPlotTests::testRemoveDomainMarker

--> java.lang.NullPointerException

- org.jfree.chart.plot.junit.XYPlotTests::testRemoveRangeMarker

--> java.lang.NullPointerException

- org.jfree.chart.plot.junit.XYPlotTests::testRemoveDomainMarker

--> java.lang.NullPointerException

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

List of modified sources:

- org.jfree.chart.plot.CategoryPlot

- org.jfree.chart.plot.XYPlot

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

**Bug15**

diff -r /tmp/chart\_15b/source/org/jfree/chart/plot/PiePlot.java /tmp/chart\_15f/source/org/jfree/chart/plot/PiePlot.java

1377a1378,1380

**> if (this.dataset == null) {**

**> return 0.0;**

**> }**

**2050a2054**

**> if (this.dataset != null) {**

**2052a2057**

**> }**

Summary for Bug: Chart-15

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

Revision ID (fixed version):

749

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

Revision date (fixed version):

2008-03-19 13:42:01 -0700

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

Bug report id:

UNKNOWN

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

Bug report url:

UNKNOWN

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

Root cause in triggering tests:

- org.jfree.chart.plot.junit.PiePlot3DTests::testDrawWithNullDataset

--> junit.framework.AssertionFailedError

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

List of modified sources:

- org.jfree.chart.plot.PiePlot

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

**Bug16**

diff -r /tmp/chart\_16b/source/org/jfree/data/category/DefaultIntervalCategoryDataset.java /tmp/chart\_16f/source/org/jfree/data/category/DefaultIntervalCategoryDataset.java

207,208c207,208

**< this.seriesKeys = null;**

**< this.categoryKeys = null;**

**---**

**> this.seriesKeys = new Comparable[0];**

**> this.categoryKeys = new Comparable[0];**

**338c338**

**< if (categoryKeys.length != this.startData[0].length) {**

**---**

**> if (categoryKeys.length != getCategoryCount()) {**

**Summary for Bug: Chart-16**

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

Revision ID (fixed version):

743

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

Revision date (fixed version):

2008-02-25 15:58:12 -0800

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

Bug report id:

834

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

Bug report url:

https://sourceforge.net/p/jfreechart/bugs/834

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

Root cause in triggering tests:

- org.jfree.data.category.junit.DefaultIntervalCategoryDatasetTests::testGetCategoryIndex

--> java.lang.NullPointerException

- org.jfree.data.category.junit.DefaultIntervalCategoryDatasetTests::testSetCategoryKeys

--> junit.framework.AssertionFailedError

- org.jfree.data.category.junit.DefaultIntervalCategoryDatasetTests::testGetSeriesIndex

--> java.lang.NullPointerException

- org.jfree.data.category.junit.DefaultIntervalCategoryDatasetTests::testGetRowCount

--> java.lang.NullPointerException

- org.jfree.data.category.junit.DefaultIntervalCategoryDatasetTests::testGetRowIndex

--> java.lang.NullPointerException

- org.jfree.data.category.junit.DefaultIntervalCategoryDatasetTests::testGetColumnCount

--> java.lang.NullPointerException

- org.jfree.data.category.junit.DefaultIntervalCategoryDatasetTests::testGetColumnIndex

--> java.lang.NullPointerException

- org.jfree.data.category.junit.DefaultIntervalCategoryDatasetTests::testCloning2

--> java.lang.NullPointerException

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

List of modified sources:

- org.jfree.data.category.DefaultIntervalCategoryDataset

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

**Bug17**

diff -r /tmp/chart\_17b/source/org/jfree/data/time/TimeSeries.java /tmp/chart\_17f/source/org/jfree/data/time/TimeSeries.java

857c857,858

**< Object clone = createCopy(0, getItemCount() - 1);**

**---**

**> TimeSeries clone = (TimeSeries) super.clone();**

**> clone.data = (List) ObjectUtilities.deepClone(this.data);**

Summary for Bug: Chart-17

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

Revision ID (fixed version):

622

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

Revision date (fixed version):

2007-11-22 01:50:16 -0800

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

Bug report id:

803

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

Bug report url:

https://sourceforge.net/p/jfreechart/bugs/803

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

Root cause in triggering tests:

- org.jfree.data.time.junit.TimeSeriesTests::testBug1832432

--> java.lang.IllegalArgumentException: Requires start <= end.

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

List of modified sources:

- org.jfree.data.time.TimeSeries

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

**Bug18**

diff -r /tmp/chart\_18b/source/org/jfree/data/DefaultKeyedValues.java /tmp/chart\_18f/source/org/jfree/data/DefaultKeyedValues.java

318d317

**< if (index < this.keys.size()) {**

**320d318**

**< }**

**335c333,334**

**< return;**

**---**

**> throw new UnknownKeyException("The key (" + key**

**> + ") is not recognised.");**

**diff -r /tmp/chart\_18b/source/org/jfree/data/DefaultKeyedValues2D.java /tmp/chart\_18f/source/org/jfree/data/DefaultKeyedValues2D.java**

**454a455,460**

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

**> throw new IllegalArgumentException("Null 'columnKey' argument.");**

**> }**

**> if (!this.columnKeys.contains(columnKey)) {**

**> throw new UnknownKeyException("Unknown key: " + columnKey);**

**> }**

**457a464,465**

**> int index = rowData.getIndex(columnKey);**

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

**458a467**

**> }**

Summary for Bug: Chart-18

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

Revision ID (fixed version):

621

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

Revision date (fixed version):

2007-11-22 01:46:16 -0800

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

Bug report id:

UNKNOWN

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

Bug report url:

UNKNOWN

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

Root cause in triggering tests:

- org.jfree.data.category.junit.DefaultCategoryDatasetTests::testBug1835955

--> java.lang.IndexOutOfBoundsException: Index: 0, Size: 0

- org.jfree.data.junit.DefaultKeyedValues2DTests::testRemoveColumnByKey

--> java.lang.IndexOutOfBoundsException: Index: 0, Size: 0

- org.jfree.data.junit.DefaultKeyedValuesTests::testRemoveValue

--> junit.framework.AssertionFailedError

- org.jfree.data.junit.DefaultKeyedValuesTests::testGetIndex2

--> junit.framework.AssertionFailedError: expected:<-1> but was:<0>

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

List of modified sources:

- org.jfree.data.DefaultKeyedValues

- org.jfree.data.DefaultKeyedValues2D

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

**Bug19**

diff -r /tmp/chart\_19b/source/org/jfree/chart/plot/CategoryPlot.java /tmp/chart\_19f/source/org/jfree/chart/plot/CategoryPlot.java

697a698,700

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

**> throw new IllegalArgumentException("Null 'axis' argument.");**

**> }**

**972a976,978**

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

**> throw new IllegalArgumentException("Null 'axis' argument.");**

**> }**

**-**

Summary for Bug: Chart-19

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

Revision ID (fixed version):

434

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

Revision date (fixed version):

2007-10-25 05:56:24 -0700

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

Bug report id:

UNKNOWN

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

Bug report url:

UNKNOWN

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

Root cause in triggering tests:

- org.jfree.chart.plot.junit.CategoryPlotTests::testGetRangeAxisIndex

--> junit.framework.AssertionFailedError

- org.jfree.chart.plot.junit.CategoryPlotTests::testGetDomainAxisIndex

--> junit.framework.AssertionFailedError

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

List of modified sources:

- org.jfree.chart.plot.CategoryPlot

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

**Bug20**

diff -r /tmp/chart\_20b/source/org/jfree/chart/plot/ValueMarker.java /tmp/chart\_20f/source/org/jfree/chart/plot/ValueMarker.java

95c95

< super(paint, stroke, paint, stroke, alpha);

---

> super(paint, stroke, outlinePaint, outlineStroke, alpha);

Summary for Bug: Chart-20

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

Revision ID (fixed version):

283

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

Revision date (fixed version):

2007-10-08 02:39:54 -0700

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

Bug report id:

UNKNOWN

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

Bug report url:

UNKNOWN

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

Root cause in triggering tests:

- org.jfree.chart.plot.junit.ValueMarkerTests::test1808376

--> junit.framework.AssertionFailedError: expected:<java.awt.Color[r=0,g=0,b=255]> but was:<java.awt.Color[r=255,g=0,b=0]>

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

List of modified sources:

- org.jfree.chart.plot.ValueMarker

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

**Bug21**

diff -r /tmp/chart\_21b/source/org/jfree/data/statistics/DefaultBoxAndWhiskerCategoryDataset.java /tmp/chart\_21f/source/org/jfree/data/statistics/DefaultBoxAndWhiskerCategoryDataset.java

**156a157**

**> else {**

**187a189**

**> }**

**740a743,744**

**> this.minimumRangeValueRow = -1;**

**> this.minimumRangeValueColumn = -1;**

**741a746,780**

**> this.maximumRangeValueRow = -1;**

**> this.maximumRangeValueColumn = -1;**

**> int rowCount = getRowCount();**

**> int columnCount = getColumnCount();**

**> for (int r = 0; r < rowCount; r++) {**

**> for (int c = 0; c < columnCount; c++) {**

**> BoxAndWhiskerItem item = getItem(r, c);**

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

**> Number min = item.getMinOutlier();**

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

**> double minv = min.doubleValue();**

**> if (!Double.isNaN(minv)) {**

**> if (minv < this.minimumRangeValue || Double.isNaN(**

**> this.minimumRangeValue)) {**

**> this.minimumRangeValue = minv;**

**> this.minimumRangeValueRow = r;**

**> this.minimumRangeValueColumn = c;**

**> }**

**> }**

**> }**

**> Number max = item.getMaxOutlier();**

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

**> double maxv = max.doubleValue();**

**> if (!Double.isNaN(maxv)) {**

**> if (maxv > this.maximumRangeValue || Double.isNaN(**

**> this.maximumRangeValue)) {**

**> this.maximumRangeValue = maxv;**

**> this.maximumRangeValueRow = r;**

**> this.maximumRangeValueColumn = c;**

**> }**

**> }**

**> }**

**> }**

**> }**

**> }**

Summary for Bug: Chart-21

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Revision ID (fixed version):

231

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Revision date (fixed version):

2007-10-03 06:28:03 -0700

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Bug report id:

UNKNOWN

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Bug report url:

UNKNOWN

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Root cause in triggering tests:

- org.jfree.data.statistics.junit.DefaultBoxAndWhiskerCategoryDatasetTests::testGetRangeBounds

--> junit.framework.AssertionFailedError: expected:<Range[8.5,9.6]> but was:<Range[8.6,9.6]>

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List of modified sources:

- org.jfree.data.statistics.DefaultBoxAndWhiskerCategoryDataset

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**Bug22**

diff -r /tmp/chart\_22b/source/org/jfree/data/KeyedObjects2D.java /tmp/chart\_22f/source/org/jfree/data/KeyedObjects2D.java

231d230

**< if (row >= 0) {**

**233c232,234**

**< return rowData.getObject(columnKey);**

**---**

**> int index = rowData.getIndex(columnKey);**

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

**> return rowData.getObject(index);**

**317a319**

**> allNull = true;**

**318a321,329**

**> for (int item = 0, itemCount = this.rows.size(); item < itemCount;**

**> item++) {**

**> row = (KeyedObjects) this.rows.get(item);**

**> int columnIndex = row.getIndex(columnKey);**

**> if (columnIndex >= 0 && row.getObject(columnIndex) != null) {**

**> allNull = false;**

**> break;**

**> }**

**> }**

**319a331,341**

**> if (allNull) {**

**> for (int item = 0, itemCount = this.rows.size(); item < itemCount;**

**> item++) {**

**> row = (KeyedObjects) this.rows.get(item);**

**> int columnIndex = row.getIndex(columnKey);**

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

**> row.removeValue(columnIndex);**

**> }**

**> }**

**> this.columnKeys.remove(columnKey);**

**> }**

**344a367,370**

**> if (index < 0) {**

**> throw new UnknownKeyException("Row key (" + rowKey**

**> + ") not recognised.");**

**> }**

**378c404,407**

**< rowData.removeValue(columnKey);**

**---**

**> int i = rowData.getIndex(columnKey);**

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

**> rowData.removeValue(i);**

**> }**

Summary of configuration for Project: Chart

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Script dir: /defects4j/framework

Base dir: /defects4j

Major root: /defects4j/major

Repo dir: /defects4j/project\_repos

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Project ID: Chart

Program: jfreechart

Build file: /defects4j/framework/projects/Chart/Chart.build.xml

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Vcs: Vcs::Svn

Repository: file:///defects4j/project\_repos/jfreechart/trunk

Commit db: /defects4j/framework/projects/Chart/active-bugs.csv

Number of bugs: 26

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Summary for Bug: Chart-22

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Revision ID (fixed version):

227

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Revision date (fixed version):

2007-10-03 03:58:18 -0700

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Bug report id:

UNKNOWN

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Bug report url:

UNKNOWN

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Root cause in triggering tests:

- org.jfree.data.junit.KeyedObjects2DTests::testRemoveColumnByKey

--> org.jfree.data.UnknownKeyException: The key (C2) is not recognised.

- org.jfree.data.junit.KeyedObjects2DTests::testRemoveValue

--> junit.framework.AssertionFailedError: expected:<1> but was:<2>

- org.jfree.data.junit.KeyedObjects2DTests::testGetValueByKey

--> org.jfree.data.UnknownKeyException: The key (C2) is not recognised.

- org.jfree.data.junit.KeyedObjects2DTests::testRemoveColumnByIndex

--> org.jfree.data.UnknownKeyException: The key (C1) is not recognised.

- org.jfree.data.junit.KeyedObjects2DTests::testSetObject

--> org.jfree.data.UnknownKeyException: The key (C2) is not recognised.

- org.jfree.data.junit.KeyedObjects2DTests::testRemoveRowByKey

--> java.lang.ArrayIndexOutOfBoundsException: -1

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List of modified sources:

- org.jfree.data.KeyedObjects2D

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**Bug23**

diff -r /tmp/chart\_23b/source/org/jfree/chart/renderer/category/MinMaxCategoryRenderer.java /tmp/chart\_23f/source/org/jfree/chart/renderer/category/MinMaxCategoryRenderer.java

434a435,453

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

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

**> return true;**

**> }**

**> if (!(obj instanceof MinMaxCategoryRenderer)) {**

**> return false;**

**> }**

**> MinMaxCategoryRenderer that = (MinMaxCategoryRenderer) obj;**

**> if (this.plotLines != that.plotLines) {**

**> return false;**

**> }**

**> if (!PaintUtilities.equal(this.groupPaint, that.groupPaint)) {**

**> return false;**

**> }**

**> if (!this.groupStroke.equals(that.groupStroke)) {**

**> return false;**

**> }**

**> return super.equals(obj);**

**> }**

Summary for Bug: Chart-23

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Revision ID (fixed version):

210

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Revision date (fixed version):

2007-09-28 08:28:53 -0700

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Bug report id:

UNKNOWN

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Bug report url:

UNKNOWN

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Root cause in triggering tests:

- org.jfree.chart.renderer.category.junit.MinMaxCategoryRendererTests::testEquals

--> junit.framework.AssertionFailedError

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List of modified sources:

- org.jfree.chart.renderer.category.MinMaxCategoryRenderer

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**Bug24**

diff -r /tmp/chart\_24b/source/org/jfree/chart/renderer/GrayPaintScale.java /tmp/chart\_24f/source/org/jfree/chart/renderer/GrayPaintScale.java

126c126

**< int g = (int) ((value - this.lowerBound) / (this.upperBound**

**---**

**> int g = (int) ((v - this.lowerBound) / (this.upperBound**

Summary for Bug: Chart-24

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Revision ID (fixed version):

190

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Revision date (fixed version):

2007-09-26 07:00:52 -0700

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Bug report id:

UNKNOWN

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Bug report url:

UNKNOWN

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Root cause in triggering tests:

- org.jfree.chart.renderer.junit.GrayPaintScaleTests::testGetPaint

--> java.lang.IllegalArgumentException: Color parameter outside of expected range: Red Green Blue

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List of modified sources:

- org.jfree.chart.renderer.GrayPaintScale

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**Bug25**

diff -r /tmp/chart\_25b/source/org/jfree/chart/renderer/category/StatisticalBarRenderer.java /tmp/chart\_25f/source/org/jfree/chart/renderer/category/StatisticalBarRenderer.java

258a259,261

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

**> return;**

**> }**

**315c318,320**

**< double valueDelta = dataset.getStdDevValue(row, column).doubleValue();**

**---**

**> Number n = dataset.getStdDevValue(row, column);**

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

**> double valueDelta = n.doubleValue();**

**343a349**

**> }**

**402a409,411**

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

**> return;**

**> }**

**459c468,470**

**< double valueDelta = dataset.getStdDevValue(row, column).doubleValue();**

**---**

**> Number n = dataset.getStdDevValue(row, column);**

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

**> double valueDelta = n.doubleValue();**

**486a498**

**> }**

Summary for Bug: Chart-25

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Revision ID (fixed version):

164

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

Revision date (fixed version):

2007-08-28 04:53:09 -0700

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Bug report id:

UNKNOWN

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Bug report url:

UNKNOWN

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Root cause in triggering tests:

- org.jfree.chart.renderer.category.junit.StatisticalBarRendererTests::testDrawWithNullMeanVertical

--> junit.framework.AssertionFailedError

- org.jfree.chart.renderer.category.junit.StatisticalBarRendererTests::testDrawWithNullDeviationVertical

--> junit.framework.AssertionFailedError

- org.jfree.chart.renderer.category.junit.StatisticalBarRendererTests::testDrawWithNullMeanHorizontal

--> junit.framework.AssertionFailedError

- org.jfree.chart.renderer.category.junit.StatisticalBarRendererTests::testDrawWithNullDeviationHorizontal

--> junit.framework.AssertionFailedError

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List of modified sources:

- org.jfree.chart.renderer.category.StatisticalBarRenderer

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**Bug26**

diff -r /tmp/chart\_26b/source/org/jfree/chart/axis/Axis.java /tmp/chart\_26f/source/org/jfree/chart/axis/Axis.java

1191a1192

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

**1196a1198**

**> }**

Summary for Bug: Chart-26

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Revision ID (fixed version):

103

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

Revision date (fixed version):

2007-07-06 04:03:52 -0700

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Bug report id:

UNKNOWN

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Bug report url:

UNKNOWN

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Root cause in triggering tests:

- org.jfree.chart.junit.AreaChartTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.junit.BarChart3DTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.junit.BarChartTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.junit.GanttChartTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.junit.GanttChartTests::testDrawWithNullInfo2

--> junit.framework.AssertionFailedError

- org.jfree.chart.junit.LineChart3DTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.junit.LineChartTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.junit.StackedAreaChartTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.junit.StackedBarChart3DTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.junit.StackedBarChartTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.junit.WaterfallChartTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.plot.junit.CategoryPlotTests::test1654215

--> junit.framework.AssertionFailedError

- org.jfree.chart.plot.junit.CategoryPlotTests::testSerialization3

--> junit.framework.AssertionFailedError

- org.jfree.chart.plot.junit.CategoryPlotTests::testSerialization4

--> junit.framework.AssertionFailedError

- org.jfree.chart.renderer.category.junit.BoxAndWhiskerRendererTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.renderer.category.junit.GroupedStackedBarRendererTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.renderer.category.junit.IntervalBarRendererTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.renderer.category.junit.LayeredBarRendererTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.renderer.category.junit.LevelRendererTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.renderer.category.junit.MinMaxCategoryRendererTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.renderer.category.junit.StatisticalBarRendererTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

- org.jfree.chart.renderer.category.junit.StatisticalLineAndShapeRendererTests::testDrawWithNullInfo

--> junit.framework.AssertionFailedError

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List of modified sources:

- org.jfree.chart.axis.Axis

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