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| **Non-Inheritance Extract Class Refactoring Suggestions** | | |
| Original Class  [*N*split] | Extract Class | |
| New Class  [Superclass]  [Subclass] | Methods/Fields |
| ChartPanel  [3] | ChartPanel\_new\_1 [ChartProgressListener] [-] | getMinimumDrawWidth()  setMinimumDrawWidth(int)  minimumDrawWidth  getMaximumDrawWidth()  setMaximumDrawWidth(int)  maximumDrawWidth  getMinimumDrawHeight()  setMinimumDrawHeight(int)  minimumDrawHeight  getMaximumDrawHeight()  setMaximumDrawHeight(int)  maximumDrawHeight  setRefreshBuffer(boolean)  refreshBuffer  chartChanged(ChartChangeEvent)  chartProgress(ChartProgressEvent)  mouseExited(MouseEvent)  mouseEntered(MouseEvent)  addChartMouseListener(ChartMouseListener)  chartMouseListeners  removeChartMouseListener(ChartMouseListener)  setBackground(Color)  setMouseZoomable(boolean)  setMouseZoomable(boolean, boolean)  ChartPanel(JFreeChart, boolean, boolean, boolean,  boolean, boolean)  ChartPanel(JFreeChart, boolean)  ChartPanel(JFreeChart)  getGraphics()  zoomOutVerticalMenuItem  zoomInVerticalMenuItem  zoomOutBothMenuItem  zoomOutHorizontalMenuItem  zoomInHorizontalMenuItem  autoRangeHorizontalMenuItem  autoRangeVerticalMenuItem  zoomInBothMenuItem  autoRangeBothMenuItem  setVerticalAxisTrace(boolean)  verticalAxisTrace  setHorizontalAxisTrace(boolean)  horizontalAxisTrace  useBuffer  available  chartArea  setPreferredSize(Dimension)  enableEvents(long)  setDisplayToolTips(boolean)  addMouseListener(MouseListener)  addMouseMotionListener(MouseMotionListener)  createPopupMenu(boolean, boolean, boolean,  boolean)  displayPopupMenu(int, int)  setFillZoomRectangle(boolean)  fillZoomRectangle  ChartPanel(JFreeChart, int, int, int, int, int, int,  boolean, boolean, boolean, boolean, boolean,  boolean)  zoomRectangle  zoomPoint  actionPerformed(ActionEvent)  mouseReleased(MouseEvent)  mouseDragged(MouseEvent)  mousePressed(MouseEvent)  getPopupMenu()  popup  setPopupMenu(JPopupMenu) |
| ChartPanel\_new\_2  [-]  [-] | repaint()  createChartPrintJob()  autoRangeBoth()  zoomInBoth(double, double)  zoomOutBoth(double, double)  info  getChartRenderingInfo()  mouseClicked(MouseEvent)  zoomOutVertical(double)  zoomOutHorizontal(double)  zoomInVertical(double)  zoomInHorizontal(double)  setHorizontalZoom(boolean)  horizontalZoom  setVerticalZoom(boolean)  verticalZoom  autoRangeVertical()  zoom(Rectangle2D)  getChart()  setChart(JFreeChart)  chart  print(Graphics,PageFormat, int)  autoRangeHorizontal()  attemptEditChartProperties()  doSaveAs() |
| ChartPanel\_new\_3  [-] [-] | getHeight()  getWidth()  setEnforceFileExtensions(boolean)  enforceFileExtensions  isEnforceFileExtensions()  createImage(int, int)  chartBuffer  chartBufferHeight  chartBufferWidth  drawVerticalAxisTrace(int)  horizontalTraceLine  getInsets()  paintComponent(Graphics)  scaleY  mouseMoved(MouseEvent)  scaleX  getScaledDataArea()  getEntityForPoint(int, int)  translateScreenToJava2D(Point)  translateJava2DToScreen(Point2D)  getToolTipText(MouseEvent)  verticalTraceLine  drawHorizontalAxisTrace(int)  getSize() |
| MeterPlot  [3] | MeterPlot\_new\_1  [Plot]  [-] | getDrawBorder()  setDrawBorder(boolean)  drawBorder  getMeterDataset()  drawTicks(Graphics2D,Rectangle2D, double,  double)  drawTick(Graphics2D,Rectangle2D, double)  getDialBorderColor()  setDialBorderColor(Color)  dialBorderColor  DEFAULT\_CIRCLE\_SIZE  NO\_LABELS  DIALTYPE\_CIRCLE  VALUE\_LABELS  DEFAULT\_BORDER\_SIZE  getDialBackgroundPaint()  setDialBackgroundPaint(Paint)  dialBackgroundPaint  DEFAULT\_DIAL\_BACKGROUND\_PAINT  WARNING\_TEXT  DEFAULT\_METER\_ANGLE  NORMAL\_TEXT  CRITICAL\_TEXT  DIALTYPE\_CHORD  getValuePaint()  setValuePaint(Paint)  valuePaint  DEFAULT\_VALUE\_PAINT  getNeedlePaint()  setNeedlePaint(Paint)  needlePaint  DEFAULT\_NEEDLE\_PAINT  DIALTYPE\_PIE  getValueFont()  setValueFont(Font)  valueFont  DEFAULT\_VALUE\_FONT  getLegendItemLabels()  static {}  getInsets()  zoom(double)  notifyListeners(PlotChangeEvent)  getForegroundAlpha()  drawOutline(Graphics2D,Rectangle2D)  drawBackground(Graphics2D,Rectangle2D)  draw(Graphics2D,Rectangle2D,ChartRenderingInf  o)  getDataset()  getLegendItems()  MeterPlot(MeterDataset)  getPlotType()  getMeterAngle()  setMeterAngle(int)  meterAngle  getDialType()  setDialType(int)  dialType  drawArc(Graphics2D,Rectangle2D, double,  double,Paint, int)  calculateAngle(double) |
| MeterPlot\_new\_2  [-]  [-] | updateInformation(MeterPlot,MeterDataset, int,  int,LegendItem[],Paint[])  createLegendItem(Graphics,LegendItem, double,  double)  showNormal  showWarning  showCritical  meterCalcAngle  meterRange  minMeterValue  getNormalPaint()  setNormalPaint(Paint)  normalPaint  DEFAULT\_NORMAL\_PAINT  getCriticalPaint()  setCriticalPaint(Paint)  criticalPaint  DEFAULT\_CRITICAL\_PAINT  getWarningPaint()  setWarningPaint(Paint)  warningPaint  DEFAULT\_WARNING\_PAINT  drawArc(Graphics2D,Rectangle2D, double,  double,Paint)  drawTick(Graphics2D,Rectangle2D, double,  boolean,Paint)  DEFAULT\_BACKGROUND\_PAINT  drawArcFor(Graphics2D,Rectangle2D,MeterDatas  et, int)  DEFAULT\_LABEL\_FONT |
| MeterPlot\_new\_3  [-]  [-] | getTickLabelType()  setTickLabelType(int)  tickLabelType  getTickLabelFont()  setTickLabelFont(Font)  tickLabelFont  drawTick(Graphics2D,Rectangle2D, double,  boolean,Paint, boolean,String) |
| ThermometerPlot  [3] | ThermometerPlot\_new\_1  [VerticalValuePlot]  [-] | setValueFormat(NumberFormat)  valueFormat  rangeIndicatorStroke  subrangeIndicatorStroke  getData()  setData(ValueDataset)  data  getUseSubrangePaint()  setUseSubrangePaint(boolean)  useSubrangePaint  getSubrangePaint(int)  setSubrangePaint(int,Paint)  subrangePaint  getMercuryPaint()  setMercuryPaint(Paint)  mercuryPaint  getCurrentPaint()  subrangeIndicatorsVisible  ThermometerPlot()  getThermometerPaint()  setThermometerPaint(Paint)  thermometerPaint  getFollowDataInSubranges()  setFollowDataInSubranges(boolean)  followDataInSubranges  getShowValueLines()  setShowValueLines(boolean)  showValueLines  getThermometerStroke()  setThermometerStroke(Stroke)  thermometerStroke  getValuePaint()  setValuePaint(Paint)  valuePaint  getValueLocation()  setValueLocation(int)  valueLocation  getValueFont()  setValueFont(Font)  valueFont  getPadding()  setPadding(Spacer)  padding  WARNING  BULB\_RADIUS  RANGE\_LOW  DEFAULT\_UPPER\_BOUND  UNITS\_FAHRENHEIT  RANGE\_HIGH  isCompatibleVerticalAxis(Axis)  AXIS\_GAP  DISPLAY\_LOW  getLegendItemLabels()  RIGHT  propertyChange()  GAP\_DIAMETER  CRITICAL  UNITS\_NONE  UNITS\_KELVIN  UNITS  getUnits()  setUnits(String)  units  setUnits(int)  DEFAULT\_LOWER\_BOUND  isCompatibleHorizontalAxis(Axis)  BULB  NORMAL  DISPLAY\_HIGH  COLUMN\_DIAMETER  COLUMN\_RADIUS  GAP\_RADIUS  UNITS\_CELCIUS  BULB\_DIAMETER  NONE  getRangeAxis()  setRangeAxis(ValueAxis)  rangeAxis  draw(Graphics2D,Rectangle2D,ChartRenderingInf  o)  getLegendItems()  static {}  readObject(ObjectInputStream)  drawBackground(Graphics2D,Rectangle2D)  ThermometerPlot(ValueDataset)  getVerticalDataRange(ValueAxis)  getVerticalValueAxis()  getInsets()  getPlotType()  setInsets(Insets)  setBackgroundPaint(Paint)  datasetChanged(DatasetChangeEvent)  setOutlinePaint(Paint)  writeObject(ObjectOutputStream)  equals(Object)  zoom(double)  drawOutline(Graphics2D,Rectangle2D)  notifyListeners(PlotChangeEvent)  isCompatibleRangeAxis(ValueAxis) |
| ThermometerPlot\_new\_2  [-]  [-] | setAxisRange()  getLowerBound()  setLowerBound(double)  lowerBound  getMinimumVerticalDataValue()  getUpperBound()  setUpperBound(double)  upperBound  getMaximumVerticalDataValue()  setRange(double, double) |
| ThermometerPlot\_new\_3  [-]  [-] | setSubrangeInfo(int, double, double, double,  double)  setSubrangeInfo(int, double, double)  subrangeInfo  setSubrange(int, double, double)  subrange  setDisplayRange(int, double, double)  inSubrange(int, double)  isValidNumber(double) |
| ContourPlot  [2] | ContourPlot\_new\_1  [VerticalValuePlot]  [-] | getURLGenerator()  setURLGenerator(XYURLGenerator)  urlGenerator  propertyChange(PropertyChangeEvent)  domainMarkers  clearDomainMarkers()  addDomainMarker(Marker)  rangeMarkers  clearRangeMarkers()  addRangeMarker(Marker)  isCompatibleColorBarAxis(NumberAxis)  setColorBarAxis(NumberAxis)  colorBar  setDomainCrosshairVisible(boolean)  domainCrosshairVisible  isDomainCrosshairVisible()  isCompatibleRangeAxis(ValueAxis)  visibleRange(ContourDataset,Range,Range)  addAnnotation(Annotation)  clearAnnotations()  annotations  setRangeCrosshairVisible(boolean)  rangeCrosshairVisible  isRangeCrosshairVisible()  DEFAULT\_INSETS  getHorizontalAxis()  setDomainCrosshairValue(double)  isCompatibleDomainAxis(ValueAxis)  getDomainCrosshairPaint()  setDomainCrosshairPaint(Paint)  domainCrosshairPaint  getRangeCrosshairStroke()  setRangeCrosshairStroke(Stroke)  rangeCrosshairStroke  getRangeCrosshairPaint()  setRangeCrosshairPaint(Paint)  rangeCrosshairPaint  getDomainCrosshairStroke()  setDomainCrosshairStroke(Stroke)  domainCrosshairStroke  getContourDataset()  getRangeCrosshairValue()  setRangeCrosshairValue(double)  rangeCrosshairValue  setRangeCrosshairValue(double, boolean)  getDomainCrosshairValue()  setDomainCrosshairValue(double, boolean)  domainCrosshairValue  drawHorizontalLine(Graphics2D,Rectangle2D,  double,Stroke,Paint)  setRenderAsPoints(boolean)  renderAsPoints  isRenderAsPoints()  getDomainAxis()  setDomainAxis(ValueAxis)  domainAxis  getClipPath()  setClipPath(ClipPath)  clipPath  render(Graphics2D,Rectangle2D,ChartRenderingIn  fo,CrosshairInfo)  drawVerticalLine(Graphics2D,Rectangle2D,  double,Stroke,Paint)  getRangeAxis()  setRangeAxis(ValueAxis)  rangeAxis  zoom(double)  getInsets()  getDataAreaRatio()  drawOutline(Graphics2D,Rectangle2D)  handleClick(int, int,ChartRenderingInfo)  getHorizontalDataRange(ValueAxis)  getHorizontalValueAxis()  getPlotType()  getContourDataRange()  draw(Graphics2D,Rectangle2D,ChartRenderingInf  o)  datasetChanged(DatasetChangeEvent)  getForegroundAlpha()  axisChanged(AxisChangeEvent)  drawBackground(Graphics2D,Rectangle2D)  ContourPlot(ContourDataset,ValueAxis,ValueAxis,  NumberAxis)  drawRangeMarker(Graphics2D)  notifyListeners(PlotChangeEvent)  getColorBarValueAxis()  getVerticalDataRange(ValueAxis)  getDataset()  drawDomainMarker(Graphics2D)  getVerticalValueAxis()  static {}  getVerticalAxis() |
| ContourPlot\_new\_2  [-]  [-] | setDomainCrosshairLockedOnData(boolean)  domainCrosshairLockedOnData  isDomainCrosshairLockedOnData()  setRangeCrosshairLockedOnData(boolean)  rangeCrosshairLockedOnData  isRangeCrosshairLockedOnData()  getPtSizePct()  setPtSizePct(double)  ptSizePct  getMissingPaint()  setMissingPaint(Paint)  missingPaint  getToolTipGenerator()  setToolTipGenerator(ContourToolTipGenerator)  toolTipGenerator  contourRenderer(Graphics2D,Rectangle2D,ChartR  enderingInfo)  pointRenderer(Graphics2D,Rectangle2D,ChartRen  deringInfo) |
| Hour  [2] | Hour\_new\_1  [RegularTimePeriod]  [-] | Hour()  FIRST\_HOUR\_IN\_DAY  LAST\_HOUR\_IN\_DAY  parseHour(String)  DATE\_FORMAT  DATE\_FORMAT\_SHORT  parseDay(String)  DATE\_FORMAT\_LONG  DATE\_FORMAT\_MEDIUM  getHour()  hour  previous()  getSerialIndex()  getFirstMillisecond(Calendar)  Hour(int,Day)  compareTo(Object)  next()  Hour(Date)  Hour(Date,TimeZone)  getLastMillisecond(Calendar) |
| Hour\_new\_2  [-]  [-] | equals(Object)  getDay()  day  getYear()  getMonth()  getDayOfMonth() |
| TimeSeries  [2] | TimeSeries\_new\_1  [Series]  [-] | addOrUpdate(RegularTimePeriod,Number)  fireSeriesChanged()  createCopy(int, int)  TimeSeries(String,String,String,Class)  removeChangeListener(SeriesChangeListener)  addChangeListener(SeriesChangeListener)  firePropertyChange(String,Object,Object)  getName()  clone() |
| TimeSeries\_new\_2  [-]  [-] | DEFAULT\_RANGE\_DESCRIPTION  DEFAULT\_DOMAIN\_DESCRIPTION  setDomainDescription(String)  getDomainDescription()  domain  setRangeDescription(String)  range  getRangeDescription()  equals(Object)  createCopy(RegularTimePeriod,RegularTimePerio  d)  getNextTimePeriod()  getTimePeriods()  TimeSeries(String)  addAndOrUpdate()  getTimePeriodsUniqueToOtherSeries()  getTimePeriod(int)  TimeSeries(String,Class)  getMaximumItemCount()  setMaximumItemCount(int)  maximumItemCount  getHistoryCount()  setHistoryCount(int)  historyCount  getTimePeriodClass()  timePeriodClass  add()  delete(int, int)  update(RegularTimePeriod,Number)  getDataPair(RegularTimePeriod)  getDataPair(int)  getItemCount()  data  getIndex(RegularTimePeriod)  delete(RegularTimePeriod)  add(RegularTimePeriod, double)  add(RegularTimePeriod,Number)  getValue(int)  getValue(RegularTimePeriod) |
| JFreeChart  [3] | JFreeChart\_new\_1  [TitleChangeListener]  [-] | getBackgroundImage()  setBackgroundImage(Image)  backgroundImage  getBackgroundImageAlignment()  setBackgroundImageAlignment(int)  backgroundImageAlignment  getBackgroundImageAlpha()  setBackgroundImageAlpha(float)  backgroundImageAlpha  getTitle()  setTitle(TextTitle)  title  JFreeChart(String,Plot)  legendChanged(LegendChangeEvent)  JFreeChart(String,Font,Plot, boolean)  static {}  setTitle(String)  titleChanged(TitleChangeEvent)  plotChanged(PlotChangeEvent) |
| JFreeChart\_new\_2  [-]  [-] | getSuppressChartChangeEvents()  setSuppressChartChangeEvents(boolean)  notifyListeners(ChartChangeEvent)  setNotify(boolean)  notify  isNotify()  removeChangeListener(ChartChangeListener)  addChangeListener(ChartChangeListener)  changeListeners |
| JFreeChart\_new\_3  [-]  [-] | JFreeChart(Plot)  notifyListeners(ChartProgressEvent)  progressListeners  removeProgressListener(ChartProgressListener)  addProgressListener(ChartProgressListener)  main(String[])  INFO  createBufferedImage(int, int)  createBufferedImage(int, int,ChartRenderingInfo)  draw(Graphics2D,Rectangle2D)  fireChartChanged()  getAntiAlias()  setAntiAlias(boolean)  antialias  getBackgroundPaint()  setBackgroundPaint(Paint)  backgroundPaint  writeObject(ObjectOutputStream)  getLegend()  setLegend(Legend)  legend  draw(Graphics2D,Rectangle2D,ChartRenderingInf  o)  equals(Object)  addSubtitle(AbstractTitle)  getSubtitles()  setSubtitles(List)  subtitles  getSubtitleCount()  getSubtitle(int)  readObject(ObjectInputStream)  getPlot()  plot  getCategoryPlot()  handleClick(int, int,ChartRenderingInfo)  getXYPlot()  drawTitle(AbstractTitle,Graphics2D,Rectangle2D) |
| DynamicTimeSeriesCollection  [2] | DynamicTimeSeriesCollection\_new\_1  [RangeInfo]  [-] | setSeriesName(int,String)  seriesNames  getPosition()  setPosition(int)  position  getX(RegularTimePeriod)  workingCalendar  minValue  maximumItemCount  timePeriodClass  pointsInTime  getMaximumDomainValue()  getItemCount(int)  getStartXValue(int, int)  DynamicTimeSeriesCollection(int,  int,RegularTimePeriod,TimeZone)  getMaximumRangeValue()  getEndYValue(int, int)  seriesChanged(SeriesChangeEvent)  getYValue(int, int)  getSeriesName(int)  getStartYValue(int, int)  getMinimumRangeValue()  getEndXValue(int, int)  getXValue(int, int)  getMinimumDomainValue()  getDomainRange()  domainRange  getSeriesCount()  seriesCount  getValueRange()  valueRange |
| DynamicTimeSeriesCollection\_new\_2  [-]  [-] | MIDDLE  START  END  DynamicTimeSeriesCollection(int,  int,RegularTimePeriod)  maxValue  invalidateRangeInfo()  fireSeriesChanged()  domainIsPointsInTime  domainStart  domainEnd  findDomainLimits()  deltaTime  getNewestTime()  offsetFromNewest(int)  DynamicTimeSeriesCollection(int, int)  getNewestIndex()  newestAt  DynamicTimeSeriesCollection(int, int,TimeZone)  getY(int, int)  valueHistory  appendData(float[])  addSeries(float[], int,String)  addValue(int, int, float)  findMaxValue()  historyCount  wrapOffset(int)  advanceTime()  setTimeBase(RegularTimePeriod)  offsetFromOldest(int)  oldestAt  getOldestIndex()  getOldestTime()  translateGet(int) |
| DrawableLegendItem  [2] | DrawableLegendItem\_new\_1  [-]  [-] | getMarker()  setMarker(Shape)  marker  getLabelPosition()  setLabelPosition(Point2D)  labelPosition  getItem()  item  DrawableLegendItem(LegendItem) |
| DrawableLegendItem\_new\_2  [-]  [-] | draw(Graphics2D, double, double)  getHeight()  height  getWidth()  width  getX()  setX(double)  x  getY()  setY(double)  y  setBounds(double, double, double, double) |
| DefaultIntervalCategoryDataset  [2] | DefaultIntervalCategoryDataset\_new\_1 [IntervalCategoryDataset] [-] | endData  setEndValue(int,Object,Number)  generateKeys(int,String)  startData  getCategoryCount()  setStartValue(int,Object,Number)  setCategoryKeys(Comparable[])  categoryKeys  getCategory(int)  getItemCount()  getCategoryIndex(Object)  DefaultIntervalCategoryDataset(String[],Number[]  [],Number[][])  DefaultIntervalCategoryDataset(double[][],  double[][])  DefaultIntervalCategoryDataset(Number[][],Numb  er[][])  setSeriesKeys(Comparable[])  seriesKeys  getRowKey(int)  DefaultIntervalCategoryDataset(Comparable[],Co  mparable[],Number[][],Number[][])  getColumnCount()  getColumnKeys()  getSeriesCount()  getSeriesName(int)  getEndValue(int, int)  getEndValue(Comparable,Comparable)  getRowCount()  getColumnIndex(Comparable)  fireDatasetChanged()  getRowIndex(Comparable)  getStartValue(Comparable,Comparable)  getStartValue(int, int)  getRowKeys()  getValue(int, int)  getColumnKey(int) |
| DefaultIntervalCategoryDataset\_new\_2  [-]  [-] | getSeriesIndex(Object)  getItem(Object)  getCategories()  getValue(Comparable,Comparable)  getSeries()  getSeries(int) |
| HorizontalBarRenderer3D  [2] | HorizontalBarRenderer3D\_new\_1  [HorizontalBarRenderer]  [-] | DEFAULT\_X\_OFFSET  DEFAULT\_Y\_OFFSET  HorizontalBarRenderer3D()  HorizontalBarRenderer3D(double, double)  valuesGap  static {}  DEFAULT\_WALL\_PAINT  hiddenClip  drawRangeMarker(Graphics2D,CategoryPlot,Valu  eAxis,Marker,Rectangle2D)  getRowCount()  drawItem(Graphics2D,Rectangle2D,CategoryPlot,  CategoryAxis,ValueAxis,KeyedValues2DDataset,  int, int, int)  HorizontalBarRenderer3D(double,  double,CategoryToolTipGenerator,CategoryURLG  enerator)  getUpperClip()  getItemStroke(int, int, int)  drawOutline(Graphics2D,CategoryPlot,Rectangle2  D)  getItemOutlinePaint(int, int, int)  getLowerClip()  getColumnCount()  getItemMargin()  getBarWidth()  getItemPaint(int, int, int)  drawRangeGridline(Graphics2D,CategoryPlot,Val  ueAxis,Rectangle2D, double)  drawDomainGridline(Graphics2D,CategoryPlot,Re  ctangle2D, double)  drawBackground(Graphics2D,CategoryPlot,Rectan  gle2D)  getInfo()  getURLGenerator()  getToolTipGenerator()  getXOffset()  xOffset  getYOffset()  yOffset |
| HorizontalBarRenderer3D\_new\_2  [-]  [-] | getWallPaint()  setWallPaint(Paint)  wallPaint  writeObject(ObjectOutputStream)  readObject(ObjectInputStream) |
| VerticalSymbolicAxis  [2] | VerticalSymbolicAxis\_new\_1 [VerticalNumberAxis] [-] | getAnchorValue()  setRange(double, double)  ySymbolicZoomIsAccepted  setAnchoredRange(double)  getSymbolicValue()  symbolicValue  valueToString(double)  isGridLinesVisible()  setSymbolicGridLinesVisible(boolean)  symbolicGridLinesVisible  getTickLabelFont()  calculateLowestVisibleTickValue()  getTickUnit()  notifyListeners(AxisChangeEvent)  getNumberFormatOverride()  setRangeAttribute(Range)  refreshTicks(Graphics2D,Rectangle2D,Rectangle2D  , int)  autoRangeStickyZero()  selectAutoTickUnit(Graphics2D,Rectangle2D,Recta  ngle2D)  getTicks()  VerticalSymbolicAxis(String,String[])  autoAdjustRange()  setAutoRangeStickyZero(boolean)  autoRangeIncludesZero()  setAutoTickUnitSelection(boolean, boolean)  getAutoRangeMinimumSize()  static {}  translateValueToJava2D(double,Rectangle2D)  draw(Graphics2D,Rectangle2D,Rectangle2D, int)  calculateVisibleTickCount()  getTickLabelInsets()  getPlot() |
| VerticalSymbolicAxis\_new\_2  [-]  [-] | DEFAULT\_SYMBOLIC\_GRID\_LINE\_PAINT  drawSymbolicGridLines(Graphics2D,Rectangle2D,  Rectangle2D)  getSymbolicGridPaint()  symbolicGridPaint  drawSymbolicGridLines(Graphics2D,Rectangle2D,  Rectangle2D, boolean)  symbolicGridLineList  getSymbolicGridLine(int) |
| HorizontalSymbolicAxis  [2] | HorizontalSymbolicAxis\_new\_1  [HorizontalNumberAxis]  [-] | getAnchorValue()  setRange(double, double)  xSymbolicZoomIsAccepted  setAnchoredRange(double)  getSymbolicValue()  symbolicValue  valueToString(double)  isGridLinesVisible()  setSymbolicGridLinesVisible(boolean)  symbolicGridLinesVisible  autoAdjustRange()  translateValueToJava2D(double,Rectangle2D)  getNumberFormatOverride()  selectAutoTickUnit(Graphics2D,Rectangle2D,Recta  ngle2D)  setAutoTickUnitSelection(boolean, boolean)  getTickLabelInsets()  getTickUnit()  getTicks()  notifyListeners(AxisChangeEvent)  refreshTicks(Graphics2D,Rectangle2D,Rectangle2D  , int)  autoRangeStickyZero()  setRangeAttribute(Range)  setAutoRangeStickyZero(boolean)  HorizontalSymbolicAxis(String,String[])  calculateLowestVisibleTickValue()  autoRangeIncludesZero()  static {}  getAutoRangeMinimumSize()  calculateVisibleTickCount()  getPlot()  getTickLabelFont()  draw(Graphics2D,Rectangle2D,Rectangle2D, int)  isVisible()  isVerticalTickLabels() |
| HorizontalSymbolicAxis\_new\_2  [-]  [-] | DEFAULT\_SYMBOLIC\_GRID\_LINE\_PAINT  drawSymbolicGridLines(Graphics2D,Rectangle2D,  Rectangle2D)  getSymbolicGridLine(int)  symbolicGridLineList  getSymbolicGridPaint()  symbolicGridPaint  drawSymbolicGridLines(Graphics2D,Rectangle2D,  Rectangle2D, boolean) |
| Month  [2] | Month\_new\_1  [RegularTimePeriod]  [-] | toString()  equals(Object)  getYear()  year  getYearValue()  Month()  Month(int, int)  getMonth()  month  Month(Date)  getLastMillisecond(Calendar)  Month(Date,TimeZone)  previous()  next()  compareTo(Object)  getSerialIndex()  Month(int,Year)  getFirstMillisecond(Calendar) |
| Month\_new\_2  [-]  [-] | evaluateAsYear(String)  findSeparator(String)  parseMonth(String)  parseYear(String) |
| Week  [2] | Week\_new\_1  [RegularTimePeriod]  [-] | toString()  getYear()  year  getYearValue()  equals(Object)  FIRST\_WEEK\_IN\_YEAR  LAST\_WEEK\_IN\_YEAR  Week(int, int)  Week()  getWeek()  week  Week(Date)  next()  getSerialIndex()  compareTo(Object)  previous()  Week(int,Year)  getFirstMillisecond(Calendar)  getLastMillisecond(Calendar)  Week(Date,TimeZone) |
| Week\_new\_2  [-]  [-] | stringToWeek(String)  findSeparator(String)  parseWeek(String)  evaluateAsYear(String) |
| XYSeries  [2] | XYSeries\_new\_1  [Series]  [-] | update(int,Number)  getYValue(int)  getXValue(int)  allowDuplicateXValues  getMaximumItemCount()  setMaximumItemCount(int)  maximumItemCount  equals(Object)  getDataPair(int)  delete(int, int)  getItemCount()  data  clear()  add(XYDataPair)  getName()  XYSeries(String, boolean)  clone()  addChangeListener(SeriesChangeListener)  fireSeriesChanged()  createCopy(int, int)  removeChangeListener(SeriesChangeListener) |
| XYSeries\_new\_2  [-]  [-] | add(double, double)  add(double,Number)  add(Number,Number)  XYSeries(String)  sampleFunction2D(Function2D, double, double,  int,String) |
| ChartUtilities  [2] | ChartUtilities\_new\_1  [-]  [-] | ChartUtilities()  DEFAULT\_PNG\_COMPRESSION  DEFAULT\_JPEG\_QUALITY  writeImageMap(PrintWriter,String,ChartRendering  Info)  writeImageMap(PrintWriter,String,ChartRendering  Info, boolean)  writeScaledChartAsPNG(OutputStream,JFreeChart  , int, int, int, int)  writeChartAsJPEG(OutputStream,JFreeChart, int,  int)  writeChartAsJPEG(OutputStream,  float,JFreeChart, int, int)  writeChartAsJPEG(OutputStream,  float,JFreeChart, int, int,ChartRenderingInfo)  writeBufferedImageAsJPEG(OutputStream,  float,BufferedImage)  writeBufferedImageAsJPEG(OutputStream,Buffere  dImage)  writeChartAsJPEG(OutputStream,JFreeChart, int,  int,ChartRenderingInfo)  saveChartAsJPEG(File,JFreeChart, int,  int,ChartRenderingInfo)  saveChartAsJPEG(File, float,JFreeChart, int,  int,ChartRenderingInfo)  saveChartAsJPEG(File, float,JFreeChart, int, int)  saveChartAsJPEG(File,JFreeChart, int, int) |
| ChartUtilities\_new\_2  [-]  [-] | writeChartAsPNG(OutputStream,JFreeChart, int,  int, boolean, int)  writeChartAsPNG(OutputStream,JFreeChart, int,  int,ChartRenderingInfo, boolean, int)  writeBufferedImageAsPNG(OutputStream,Buffere  dImage)  writeBufferedImageAsPNG(OutputStream,Buffere  dImage, boolean, int)  writeChartAsPNG(OutputStream,JFreeChart, int,  int,ChartRenderingInfo)  writeChartAsPNG(OutputStream,JFreeChart, int,  int)  saveChartAsPNG(File,JFreeChart, int, int)  saveChartAsPNG(File,JFreeChart, int,  int,ChartRenderingInfo)  saveChartAsPNG(File,JFreeChart, int,  int,ChartRenderingInfo, boolean, int) |