

Inheritance Extract Class Refactoring Suggestions		
Original Class [N _{split}]	Extract Class	
	New Class [Superclass] [Subclass]	Methods/Fields
BandPlotRenderer [2]	BandPlotRenderer_new _1 [] [BandPlotEPSRenderer _new_1, BandPlotG2DRenderer _new_1]	getStringWidth(String,String, int) getX() setFont(String, int) scalex getPlotLength() scaley ratio getMaxFontHeight(String, int) getPlotHeight() xorigin ALIGN_LEFT BandPlotRenderer(BandPlot, double, double) dummyFrame getY() ALIGN_RIGHT drawText(String, int, double, double, int, double) drawLineA((double, double, double, double, int) ebp yorigin setLineWidth((int) ALIGN_CENTER plotLength plotHeight BandPlotRenderer_new_2_Instance
	BandPlotRenderer_new _2 [-] [-]	drawHorizontalTicsLabel((double,String, int) drawLineR((double, double, double, double, int) drawHorizontalSeparation((int, double, double) drawHorizontalTics((int, double, double, int) drawVerticalAxisLabel(String, int) drawVerticalSeparation((int) getY((double) y getX((double) x drawSectionLine(BandPlot\$BandPlotSection,EnergyBand\$KLine, int, boolean) render() drawVerticalTics((int, boolean, int) drawVerticalTicsLabels((int, int)

BandPlotEPSRender er [2]	BandPlotEPSRender_ new_1 [BandPlotRender_ ne w_1] []	dummyFrame setFont(String, int) getX() getMaxFontHeight(String, int) setLineWidth((int) drawLineA((double, double, double, double, int) drawText(String, int, double, double, int, double) BandPlotEPSRender(BandPlot, double, double,File) getY() y writeLine(String) w BandPlotEPSRender_new_2_Instance
	BandPlotEPSRender_ new_2 [-] [-]	ebp drawLineR((double, double, double, double, int) drawHorizontalTicsLabel((double,String, int) getY((double) drawVerticalAxisLabel(String, int) drawVerticalTicsLabels((int, int) drawVerticalSeparation((int) drawVerticalTics((int, boolean, int) render() drawHorizontalSeparation((int, double, double) drawHorizontalTics((int, double, double, int) getX((double) x scalex xorigin scaley yorigin replaceCharString(String, char,String) file plotLength generateEPS() plotHeight
BandPlotG2DRender er [2]	BandPlotG2DRender_ _new_1 [BandPlotRender_ ne w_1] [-]	g2 drawText(String, int, double, double, int, double) getPlotLength() setLineWidth((int) setFont(String, int) getStringWidth(String,String, int) getMaxFontHeight(String, int) getY()

		drawLineA((double, double, double, double, int) BandPlotG2DRenderer(BandPlot, double, double) getPlotHeight() plotHeight getX() x BandPlotG2DRenderer_new_2_Instance
	BandPlotG2DRenderer _new_2 [-] [-]	ebp drawLineR((double, double, double, double, int) drawHorizontalSeparation((int, double, double) drawVerticalTicsLabels((int, int) getX((double) drawVerticalTics((int, boolean, int) drawHorizontalTicsLabel((double,String, int) render() drawVerticalAxisLabel(String, int) drawHorizontalTics((int, double, double, int) drawVerticalSeparation((int) getY((double) y setGraphics2D(Graphics2D) xorigin scalex yorigin scaley getJPanel() bandPlotPanel
ChemFile [2]	ChemFile_new_1 [-] [CrystalFile]	getBondsEnabled() propertyList ChemFile(DisplayControl, boolean) addProperty(String) getPropertyList() getJmolAtomIterator() control ChemFile(DisplayControl) bondsEnabled ChemFile_new_2_Instance
	ChemFile_new_2 [-] [-]	addFrame(ChemFrame) getNumberOfFrames() getAtomPropertyList() getFrames() frames getFramePropertyList() setFrame(ChemFrame, int)

		getFrame((int)
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