

## JFreeChart, equal axes

**Source:** <http://coding.derkeiler.com/Archive/Java/comp.lang.java.programmer/2005-02/3525.html>

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I've been using JFreeChart a while, but have hit a problem I can't solve. I have an XYPlot where I want the x and y axes on the same scale, regardless of my ChartPanel size. I want the user to be able to zoom in, but the program should detect the zoom window and adjust it so the axes scale is the same for x and y. I hoped there would be a setting to do this. Plot.get/setDataAreaRatio looked encouraging, but when this didn't work I searched the source and found that ContourPlot was the only class that used this. So I figured I'd scale the axes on my own.

My problem isn't the calculation to do this, but getting the data I need. I need to get just the height and width of the area of the plot data. I think the code calls this the dataArea. But XYPlot does not give me access to this. I've extended XYPlot and over-written its draw methods to catch the plot area argument, but I think this includes axes and everything else.

Is there an easier way to do this? If not, how do I get the area of just the plotted data?

thanks,  
Jeff