

rotating a polygon?

Source: <http://coding.derkeiler.com/Archive/Java/comp.lang.java.help/2003-11/0156.html>

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Hi – self studying Java here so I'm in a bit of a vacuum with limited books. Having trouble understanding Affine Transform.

The following simple snippet plots a line on a chart. Polygon "a" in the shape of an arrow pointing up (north) is translated along the datapoints and appended to a General Path "arrow".

When they are drawn there is a north arrow at each apex of the line.

I want to rotate the arrow at each apex to indicate a direction. I have had no success doing this.

There is no rotate method for Shapes I guess. I could translate and rotate the original coords each time and create a new polygon arrow I guess, but there must be an easier way.

Can someone help? Thanks – Chuck

```
public void paint( Graphics g )
{
    super.paint( g );
    Graphics2D g2 = (Graphics2D) g;
    line.moveTo(BASEX, BASEY - yData[0]);
    a.translate(BASEX, BASEY - yData[0]);
    arrow.append(a,false);
    for(int i = 1; i < yData.length; i++){
        line.lineTo(BASEX+i*25, BASEY - yData[i]);
        a.translate(25, -yData[i] + yData[i-1]);
        arrow.append(a,false);
    }

    g2.draw(line);
    g2.draw(arrow);
}
```