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Subject: plot bar graph in Postscript

Posted by [joa](#) on Mon, 30 Jul 2012 05:07:33 GMT

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I am trying to plot a histogram. I have both the data and normal coordinates of each rectangle that makes a bar graph, say,  $(x0[i], y0[i]), (x1[i], y0[i]), (x1[i], y1[i]),$  and  $(x0[i], y1[i])$ . Then for  $i=0, nt-1$  do `polyfill,[x0[i],x0[i],x1[i],x1[i]], [y0[i],y1[i],y1[i],y0[i]]`, should make the graph. Yes, it looks fine on an IDL X window. But it does not translate to a Postscript file, in which the some bars appear slightly shifted in X-direction. I even tried for  $i=0, nt-1$  do `tv,bytarr(1,1)+120b,x0[i],y0[i],xs=x1[i]-x0[i],ys=y1[i]-y0[i ],/norm` (120b is just to make the bars gray), but the result was the same.

Is this a known feature of IDL? Could you advise how to make uniform bars in Postscript?

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