Subject: Contour Issues... Help please

Posted by plim.dreaming on Thu, 11 Sep 2008 18:01:27 GMT

Greetings all!
It has been a while since I last posted here, for me that's a good
sign.

Contour plots have always been full of issues. Contour plots and
"histogram"... It's like the user wants to do one thing and the
program wants to do another...

I have a set of irregularly distributed sources. 2 dimensional space.
x, y.
I would like to plot a contour of their density distribution. So I
figured, i'll use hist_2d to grid the space into bins of 0.1 by 0.1
and then contour plot the result.

result =
 hist_2d(hmk,jmh,bin1=0.1,bin2=0.1,max1=max(hmk),max2=max(jmh),
min1=min(hmk), min2=min(jmh))

levels = 30
step=(max(result)-min(result))/levels
userlevels=indgen(levels)*step + min(result)
 contour,result,levels=userlevels,background=1,color=black,xs tyle=1,ystyle=1

Right?! Anybody see any major error thus far?
The thing is that the contour plot comes out with its axis ranging
from 0 to 50 whereas the input data only ranges from -1 to 4. And I
can't figure out why.

Any help is greatly appreciated,
Plim