Subject: oplot for plots
Posted by Nic on Fri, 18 Aug 2006 13:32:44 GMT
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Hi all!

I am trying to draw 10 arrows randomly placed in the x-y plane to their z(x,y) value.

Here is what I have tried so far:

```
PRO IMPULSE_2D
;This procedure produces a 2-D impulse function plot with 10 arrows.
; The number of arrows can be adjusted by the for loop.

; make graphics window plot
; 3-D sin function from p. 271 Practical IDL programming by Gumley
v=findgen(41)*.5-10
x=rebin(v, 41,41, /sample)
y=rebin(transpose(v), 41, 41, /sample)
r=sqrt(x^2+y^2)+1.0e-6
z=sin(r)/r
window, /free
surface, z, title='A 2-D impulse function', xtitle='x', ytitle='y',
charsize=2, /save, /nodata
for i=0, 9 do begin
 index1=fix(round(randomu(seed1)*41))
 index2=fix(round(randomu(seed2)*41))
 plots, [index1,index2,0], [index1,index2,z[index1,index2]], /t3d
 print, i
 print, index1, index2
endfor
end
```

It is making lines (how do I get it to plot arrows?), but I think each time the for loop runs, it is overwriting the previous loop's plots. I want to overplot each new plots to the original surface plot.

Thanks for any help. (And thank you so much for all that help with the dirac plot way back when!)

Nic