
Subject: Re: A problem using IDL?

Posted by [R.G. Stockwell](#) on Fri, 02 May 2008 16:20:31 GMT

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a bit better code. The top plot is the aliased signal.
The bottom shows the well sampled (not aliased) signal, which
is sampled much more finely. The thick squares show the aliased
signal from the top plot.

```
window,xsize=800,ysize=400
min=0
max=100
n=205
x=fltarr(n+1)
for i=0,n do x[i]=min+double(i)*(max-min)/n
;print,x
y=sin(2*3.141593*x)
```

```
!P.multi=[0,1,2]
```

```
plot,x,y,psym=-4,xr=[0,10]
x1 = x
y1 = y
```

```
n=205*8
x=fltarr(n+1)
for i=0,n do x[i]=min+double(i)*(max-min)/n
;print,x
y=sin(2*3.141593*x)
```

```
plot,x,y,psym=-4,xr=[0,10]
oplot,x1,y1,psym=6,thick=4
```

```
end
```
