
Subject: 1D plots from 2D data

Posted by [raph](#) on Tue, 29 Dec 1998 08:00:00 GMT

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Hi All-

I have YANQ (Yet Another Newbie Question), on which I'm hoping some kind soul will give me a head start. I have a 2D array $f(i,j)$, which I'd like to plot versus i , bunching $j_{\max}$ points over each i . If I simply plot $f(i,j)$ versus i , it treats f as a 1D array $i_{\max} \times j_{\max}$ long, so I get a plot of f versus $i + j \times i_{\max}$.

Think of it as plotting a wave. By default, IDL plots multiple periods of the wave sequentially but I want to each period over the first. Is there an IDL routine which does this directly? Can I simply slice the data and overplot, which in pseudo-F90 would sorta look like

```
Do j=1,jmax
  g=f(:,j)
  plot g
Enddo
```

Any pointers are appreciated,
Raph

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