
Subject: Re: matrices with different size

Posted by [Chris Lee](#) on Thu, 13 Jan 2005 22:30:14 GMT

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In article <3374f20e.0501130821.41623a00@posting.google.com>, "V.S." <ikverveelmijdood@hotmail.com> wrote:

> Hi,
> my problem is the following: I have a dataset with a strong sinusoidal
> component. However, its period and height are not constant. What I
> exactly want is to split-up the data in different parts, and put them
> into a matrix. Is this possible in IDL (and how?) to generate a matrix,
> filled with vectors that have a different length? I know that in Matlab
> "cell arrays" can be used.
> Best regards,
> Veerle

I have to ask why you want to split the dataset into (presumably) single wave period and not something use Fourier or Wavelet analysis on the full data but anyway....You could use pointers.

e.g

```
a=ptrarr(10)
a[0]=ptr_new(fltarr(100))
a[1]=ptr_new(fltarr(20))
a[2]=ptr_new(lonarr(10))
..
plot, *a[0] ;etc
```

Chris.
