Subject: Re: Vectorized STRMID (was Re: Selecting odd/even numbered files)
Posted by David Fanning on Wed, 03 Apr 2002 21:24:15 GMT

Wayne Landsman (landsman@mpb.gsfc.nasa.gov) writes:

> The reason you were getting 4x4 output arrays is that the vectorized STRMID is
> sometimes *too* powerful -- it can both extract many substrings from a single
> string, and extract substrings from many strings.   Therefore, the position
> parameter has to be REFORMed into a 2-d array.

Well, there you go. :-)

You wouldn't be up for writing a string processing tutorial
(a la JD's Dimensional Juggling tutorial) would you, Wayne?
I can't be the only one who gets totally confused every time
I have to do something like this.

Cheers,

David

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Subject: Re: Vectorized STRMID (was Re: Selecting odd/even numbered files)
Posted by Wayne Landsman on Wed, 03 Apr 2002 23:38:49 GMT

David Fanning wrote

> You wouldn't be up for writing a string processing tutorial
> (a la JD's Dimensional Juggling tutorial) would you, Wayne?
> I can't be the only one who gets totally confused every time
> I have to do something like this.

I'll put it on the "to do"list -- so maybe it will be done in a couple of months...

Meanwhile, here's a one line solution to the orignal problem (of selecting only
even numbered files), by specifying that the last character must be an even number

files = file_search('*[02468].ext')

The above works in V5.5 (when file_search() was introduced as a replacement for findfile()) .   For Unix systems and any version of IDL one can also write

files = findfile('*[02468].ext')

but, unlike the file_search() method,I don't believe that this method works for non-Unix systems.

Cheers, --Wayne   landsman@mpb.gsfc.nasa.gov