
Subject: Re: ARRAYS

Posted by [saken](#) on Thu, 08 Sep 1994 15:45:25 GMT

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In article <34n95u\$ise@hammer.msfc.nasa.gov>, mallozzi@ssl.msfc.nasa.gov writes:

|> I must be missing something simple, but I sometimes find myself needing to
|> concatenate arrays as follows:
|>
|> x = FINDGEN(10)
|> y = FINDGEN(4,20)
|> z = [x, y(1,*)]
|>
|> This won't work because IDL sees y(1,*) as a 2-d array, and x is 1-d.
|> Is there an easy way to concatenate two "vectors" without looping through
|> the y-array and extracting the appropriate elements like this:
|>
|> (rest deleted)

Try using the REFORM function:

```
x = FINDGEN(10)
y = FINDGEN(4,20)
z = [x, REFORM(y(1,*))]
```

REFORM gets rid of dimensions where there is only one element of the array.

jon

Subject: Re: ARRAYS

Posted by [velt](#) on Thu, 08 Sep 1994 18:06:28 GMT

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> From mallozzi@ssl.msfc.nasa.gov
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> concatenate arrays as follows:
>
> x = FINDGEN(10)
> y = FINDGEN(4,20)
> z = [x, y(1,*)]

The simple answer is to reform the array you want to concatenate, that is, to remove the extra dimensions:

```
IDL> x = FINDGEN(10)
IDL> y = REFORM(y(1,*))
```

```
IDL> z = [x,reform(y(1,*))]  
IDL> help, z  
Z          FLOAT    = Array(30)
```

Good luck,
Robert Velthuisen,
Digital Medical Imaging Program of the
H. Lee Moffitt Cancer Center and Research Institute at the
University of South Florida.

Subject: Re: ARRAYS
Posted by [landers](#) on Thu, 08 Sep 1994 19:10:33 GMT
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|> This won't work because IDL sees y(1,*) as a 2-d array, and x is 1-d.

|> Is there an easy way to concatenate two "vectors" without looping

Use REFORM, which will strip out those unity-dimensions:

```
z = [ x, REFORM( y(1,*) ) ]
```

--

;Dave
