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
|> concatinate 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 approriate 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
- > I must be missing something simple, but I sometimes find myself needing to
- > concatinate 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 = FINDGEN(4,20)
```

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

Good luck, Robert Velthuizen, 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