
Subject: Re: from array to one dimensional array

Posted by [David Fanning](#) on Tue, 13 Sep 2005 16:10:10 GMT

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steffenfr writes:

> Dear all, I am trying to apply the spearman correlation
> coefficient to 2 images which means that I have to compare
> 2 arrays. The R_correlate however works only with one dimensional
> arrays which means that I need to change the n-dimensional array into a
> one-dimensional one, for example like that
>
> Array: 3by3
>
> 111
> 222
> 333
>
> into the one-dimentional array (Vector) [9by1] which is [111222333]
>
> Does anybody know how do do that in a simple way, or has anybody done
> it already in a program?

I would try REFORM:

```
s = Size(array, /Dimensions)  
array = Reform(array, s[0]*s[1])
```

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: from array to one dimensional array

Posted by [Timm Weitkamp](#) on Tue, 13 Sep 2005 16:42:17 GMT

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David Fanning wrote:

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>
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>> coefficient to 2 images which means that I have to compare
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>> it already in a program?
>
> I would try REFORM:
>
> s = Size(array, /Dimensions)
> array = Reform(array, s[0]*s[1])
```

Or simply,

```
array = array[*]
```

Cheers,
Timm

Timm Weitkamp, ESRF, Grenoble, France

Subject: Re: from array to one dimensional array
Posted by [David Fanning](#) on Tue, 13 Sep 2005 17:12:45 GMT
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Timm Weitkamp writes:

```
> Or simply,
>
> array = array[*]
```

Yes, but this is not likely to enlighten an IDL newby. :-)

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.

