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Subject: Re: vector of complex arrays

Posted by [Pavel Romashkin](#) on Thu, 16 Oct 2003 22:23:18 GMT

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How about

```
x = complexarr(5,10,10)
x2 = scale_vector[2,*,*]
```

Pavel

J Cabrera wrote:

```
>
> Hi,
>
> I need to create a vector of complex arrays. For example:
>
> If I want to store and to get 5 complex arrays like
>
> x = complexarr(10,10)
> scale_vector = replicate(x,5) ; it does not work but it is for explanation
>
> so I can get one of the arrays like
>
> x2 = scale_vector[2]
>
> Some idea?
>
> Thanks
>
> Juan
```

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Subject: Re: vector of complex arrays

Posted by [andrew.cool](#) on Thu, 16 Oct 2003 22:49:17 GMT

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cabrera@fynu.ucl.ac.be (J Cabrera) wrote in message  
news:<4ab9e45.0310160836.2efee8e7@posting.google.com>...

```
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>  
> Some idea?  
>  
> Thanks  
>  
> Juan

Juan,

What about `x = complexarr(10,10,5)` ?

or an array of structures? :-

`st_def = {ca:complexarr(10,10)}`

`scale_vector = Replicate(st_def,5)`

Andrew

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Subject: Re: vector of complex arrays  
Posted by [condor](#) on Thu, 16 Oct 2003 23:25:59 GMT  
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cabrera@fynu.ucl.ac.be (J Cabrera) wrote in message  
news:<4ab9e45.0310160836.2efee8e7@posting.google.com>...

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> `x2 = scale_vector[2]`  
>  
> Some idea?

I may be misunderstanding the question, but what would distinguish  
such a thing from a 3D array? Something like

```
IDL> scale_vector = complexarr(10,10,5)
IDL> x2 = scale_vector[:,*,2]
IDL> help,x2
X2          COMPLEX  = Array[10, 10]
```

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