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Subject: Re: Function to find value in IDL  
Posted by [Wout De Nolf](#) on Thu, 27 Oct 2011 12:12:12 GMT  
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On Thu, 27 Oct 2011 04:34:58 -0700 (PDT), Waleria  
<[waleriantunes@gmail.com](mailto:waleriantunes@gmail.com)> wrote:

> I'm working with multidimensionals arrays, where my array is of type:  
>  
> % Compiled module: READ\_FILE.  
> <Expression> DOUBLE = Array[4, 16, 16, 16]  
> <Expression> DOUBLE = Array[4, 16, 16, 16]  
> <Expression> FLOAT = Array[16, 16, 16]  
> <Expression> FLOAT = Array[16, 16, 16]  
>  
> No entanto as posii  es 16 e 16 do Array[4, 16, 16, 16] variam de  
> acordo com arquivo lido, ou seja, no caso vou ter algo assim:  
> Array[4,X,X,Y]. Ent  o preciso de alguma funi  o que encontre o valor  
> dessa posii  o.  
>  
> However the positions 16 and 16 of the Array[4, 16, 16, 16] vary with  
> file read or if I have something like this: Array [4, X, X, Y]. So I  
> need some function to find the value of the position X and Y.  
>  
> You understand?  
>  
> I have this code: <http://pastebin.com/DxRCWpTj>  
>  
> Thanks,

The X and Y aren't positions but dimensions. You can find them with the SIZE function, using the DIMENSIONS keyword. So for example:

```
IDL> arr=dblarr(4, 16, 16, 16)
IDL> help,arr
ARR      DOUBLE  = Array[4, 16, 16, 16]
IDL> print,size(arr,/dim)
        4       16      16      16
```

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