
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> wrote:

> I'm working with multidimensional 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 posições 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] . Então preciso de alguma função que encontre o valor
> dessa posição.
>
> 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
```