
Subject: Re: own function with equation
Posted by [davidf](#) on Mon, 05 May 1997 07:00:00 GMT
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R. Bauer writes:

```
> in addition to the first question I did:  
>  
> FUNCTION where2,arr,b,count  
> return,arr  
> end  
>  
> If i define this function and i call it like  
> a=indgen(10)  
> print,where2(a gt 4)  
>  
> the result is 0 0 0 0 0 1 1 1 1 1  
>  
> what is wrong?
```

My news server has been screwy all weekend, so I didn't see the first question. But there is **nothing** wrong here.

Do this:

```
a = Indgen(10)  
Print, (a gt 4)
```

You get the result exactly as you do above:
0 0 0 0 0 1 1 1 1 1

This is, in fact, **exactly** what you put into the WHERE2 function above as its argument (called "arr" inside the program). In this case, you passed the argument in by **value**. Perhaps you expected it to be passed in by reference. All expressions (which this is), subscripted variables, structure de-references, etc are passed by value. Only variables are passed by reference.

This result is exactly what I would expect.

Cheers!

David

David Fanning, Ph.D.

Fanning Software Consulting
Customizable IDL Programming Courses
Phone: 970-221-0438 E-Mail: davidf@dfanning.com
Coyote's Guide to IDL Programming: <http://www.dfanning.com>
