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 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	
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