
Subject: Pass-By-Reference question. (ARG_PRESENT)

Posted by [Andry William \(Please\)](#) on Fri, 12 Mar 2004 19:52:51 GMT

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```
> pro whaddup, nodata=nodata,_REF_EXTRA=_extra
>
> nodata_internal = 0
> if(arg_present(nodata)) then nodata_internal=nodata > 0 < 1
>
```

Hi All,

This might be off topic but can somebody explain to me why the following statements give different result. (Maybe I did not really understand the IDL manual). (I am using IDL 6.0).

I have the following procedure:

```
PRO t_arg_present,arg1=arg1
```

```
IF KEYWORD_SET(arg1) THEN PRINT, "'arg1' is set to ", arg1
```

```
IF ARG_PRESENT(arg1) THEN PRINT, "'arg1' is present", arg1
```

```
END
```

If I do:

```
IDL> t_arg_present,arg1=1
```

It returns:

```
'arg1' is set to      1
```

If I do:

```
IDL> t_arg_present,arg1=0
```

Nothing comes out.

If I do:

```
IDL> a=0
```

```
IDL> t_arg_present,arg1=a
```

It returns:

```
'arg1' is present    0
```

If I do:

```
IDL> a=1
```

```
IDL> t_arg_present,arg1=a
```

It returns:

```
'arg1' is set to      1
```

```
'arg1' is present     1
```

Are all the output the expected one?

Thanks,

Andry
