
Subject: Re: A strange behaviour of parameters passing
Posted by [Liam Gumley](#) on Thu, 03 Jun 1999 07:00:00 GMT
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Daniel SAGE wrote:

- > Who can explain me the strange behaviour when I passed my parameters ?
- > I create a small and stupid example to see the disfunctionning of IDL.
- > Why the first call of the procedure 'one' returns 1 and the second call
- > return 2 ? According the documentation of IDL, the second calling is
- > correct but not the first calling.

[code removed]

I believe IDL is doing what it is supposed to do.

In the first call (one, a[*]), you are passing a subscripted array (even though you requested all elements). Subscripted arrays are passed by value and *cannot* be modified in the called procedure.

In the second call (one, a), you are passing an entire array. Entire arrays are passed by reference and *can* be modified in the called procedure.

Cheers,
Liam.

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