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Subject: Invoking a COM object method, that results in two arrays

Posted by [Karlo Janos](#) on Fri, 11 Jul 2008 16:32:38 GMT

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Hello!

Currently I am successfully using a function of the library XtremeFringe (<http://www.iot.es/XtremeFringe/index.html>) in IDL 7.0 by instantiating a COM object and then invoking its method with the needed parameters. The corresponding code looks like the following:

```
-----  
; generate COM object  
MyXtremeLibObject =  
  OBJ_NEW('IDLcomIDispatch$CLSID$IDENTIFIER_FROM_WINDOWS_REGIS TRY')  
  
; invoke the function  
resulting_array = MyXtremeLibObject -> THE_FUNCTION(some, para, meters)  
-----
```

This works for a function, that results in just one single array.  
But in the case of a function resulting in two arrays it does not.

```
-----  
# invoke the method  
result2 = MyXtremeLibObject -> THE_SECOND_FUNCTION(some, para, meters)  
-----
```

In this case the variable result2 has only two elements with zeros in it:

```
result2[0] => 0.0  
result2[1] => 0.0
```

Maybe these elements could be something like pointers to the addresses of arrays, but I did not find a way to use it in IDL.

In Matlab one gets the results in a cell array by something like

```
-----  
result=XFLib.The_Function(some, para,meters);  
resultarray1=result{1};  
resultarray2=result{2};  
-----
```

In IDL I do not know how to do it in a similar way.

I would be happy, if someone can give me a hint for solving my problem.  
Best regards

