Subject: How to get _overloadSize to return N_Dimensions=0?
Posted by Matthew Argall on Tue, 27 May 2014 22:40:41 GMT
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I was wondering how it is possible to get the _overloadSize function to return N_DIMENSION=0 when there are no dimensions. Below is an example. The docs seems like it reports N_Elements(Size(input, /DIMENSIONS), which is not correct for an undefined variable...

```
IDL> print, size(!Null, /N_DIMENSIONS)
           0
IDL> .run test_olsize__define
Dimensions:   [0]
N_Elements:   0
N_Dimensions: 1


;---------------------------------------------
function test_olSize::_OverloadSize
   return, size(*self.value, /N_DIMENSIONS)
end

function test_olSize::Init
   compile_opt strictarr
   self.value = Ptr_New(/ALLOCATE_HEAP)
   return, 1
end

pro test_olSize__define
   class = {test_olSize, $
            inherits IDL_Object, $
            value: ptr_new()}
end


;Main level test program
myObj = Obj_New('Test_olSize')
print, 'Dimensions:   ', '[' + strjoin(strtrim(size(myObj, /DIMENSIONS), 2), ', ') + ']'
print, 'N_Elements:   ', strtrim(size(myObj, /N_ELEMENTS), 2)
print, 'N_Dimensions: ', strtrim(size(myObj, /N_DIMENSIONS), 2)
obj_destroy, myObj

end
```