
Subject: _Ref_Extra

Posted by Martin Downing on Wed, 31 Oct 2001 19:51:28 GMT

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Like many things, I came across this behaviour by accident. I have looked through some of the old discussions on _Extra keyword nad was not sure whether this has been mentioned before so here goes and I'm sure I'll find out shortly.

heres two test procedures, one for _extra and one for _ref_extra. The idea is they call eachother until the variable call reaches 0 or is undefined

```
pro test_ex,call, _EXTRA=e
print, "pro test_ex,call, _EXTRA=e "
help,e,st
if keyword_set(call) then test_ref_ex,call-1, _ref_EXTRA=e
return
end
pro test_ref_ex,call,_REF_EXTRA=e
print, "pro test_ref_ex,call, _REF_EXTRA=e";, call
help,e,st
if keyword_set(call) then test_ex,call-1, _EXTRA=e
return
end
-----
```

so here are the calls:

```
IDL> test_ex, /edge_trunc
```

```
pro test_ex,call, _EXTRA=e
```

```
** Structure <1d9bd10>, 1 tags, length=2, data length=2, refs=1:
```

```
EDGE_TRUNC INT 1
```

```
IDL> test_ref_ex, /edge_trunc
```

```
pro test_ref_ex,call, _REF_EXTRA=e
```

```
E STRING = Array[1]
```

```
IDL> test_ref_ex, 2, /edge_trunc
```

```
pro test_ref_ex,call, _REF_EXTRA=e
```

```
E STRING = Array[1]
```

```
pro test_ex,call, _EXTRA=e
```

```
** Structure <1d9bd10>, 1 tags, length=2, data length=2, refs=1:  
EDGE_TRUNC INT 1  
  
pro test_ref_ex,call, _REF_EXTRA=e  
  
** Structure <1d9bd10>, 1 tags, length=2, data length=2, refs=1:  
EDGE_TRUNC INT 1  
  
IDL> test_ex, 2, /edge_trunc  
  
pro test_ex,call, _EXTRA=e  
  
** Structure <1d9bd10>, 1 tags, length=2, data length=2, refs=1:  
EDGE_TRUNC INT 1  
  
pro test_ref_ex,call, _REF_EXTRA=e  
  
** Structure <1d9bd10>, 1 tags, length=2, data length=2, refs=1:  
EDGE_TRUNC INT 1  
  
pro test_ex,call, _EXTRA=e  
  
** Structure <4850ef0>, 1 tags, length=2, data length=2, refs=1:  
EDGE_TRUNC INT 1
```

from past discussions this is likely this is version specific, so heres the flavor Im using:
IDL> print, !version

{ x86 Win32 Windows Microsoft Windows 5.5 Beta Jun 20 2001 32 64}

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