
Subject: Re: Questions about IDL 8.0

Posted by [penteado](#) on Wed, 24 Nov 2010 18:30:13 GMT

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On Nov 24, 4:02 pm, Michael Galloy <mgal...@gmail.com> wrote:

- > What are the allowable names? I see 'xaxis', 'yaxis', and 'zaxis', but
- > are there clever names for the other axes like when AXIS_STYLE=2? And
- > what exactly is that name, part of an identifier?

The overloaded brackets match objects in the hierarchy through calls of `igetid()`, with some processing before and after it. So it is mostly up to `igetid`'s way of finding identifiers.

The matches are not necessarily of single objects:

```
IDL> s=surface(/test,axis_style=2)
IDL> help,s['*axis*']
<Expression>  OBJREF  = Array[12]
IDL> foreach el,s['zaxis'] do print,el.name
Axis 2
IDL> foreach el,s['zaxis*'] do print,el.name
Axis 2
Axis 5
Axis 8
Axis 11
```