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Subject: Re: Questions about IDL 8.0

Posted by [Michael Galloy](#) on Wed, 24 Nov 2010 20:00:04 GMT

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On 11/24/10 11:30 AM, Paulo Penteado wrote:

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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
```

But I don't see where 'zaxis' appears at all:

```
IDL> foreach el,s['zaxis*'] do print, el.identifier
AXIS2
AXIS5
AXIS8
AXIS11
```

It seems like it is doing something smart, but I'm not sure exactly what it is. For example, 'zaxis\*' matches all the axes pointing in the z direction:

```
IDL> foreach el, s['zaxis*'] do el.hide = 1
```

Mike

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