Subject: Re: no backwards compatibility in IDL 5.6
Posted by David Fanning on Fri, 28 Feb 2003 19:42:42 GMT
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Pavel Romashkin (pavel_romashkin@hotmail.com) writes:

> Why is EXECUTE used in this program? Why can't the value just be
> returned from each CASE? Execute will slow it down and as far as I can
> tell, does nothing special. There is no code that follows the CASE to
> prevent you from returning at any point. Will it not compile in 5.4 with
> the extra keyword? I thought keyword mismatches are runtime errors. Am I
> missing something?

Alright, here is why I am using EXECUTE. If I change the code
to this:

```
    returnValue = 0.0
    version = Float(!VERSION.Release)
    IF (version LE 5.5) THEN returnValue = ATAN(imgpart, realpart) $
        ELSE returnValue = ATAN(complexNum, /Phase)
```

Then the code won't compile in IDL 5.4, complaining about
the PHASE keyword not being defined. :-(

Unless I've completely misunderstood (probable with the
drugs I'm taking for this cold), keywords should be
sorted out at run-time, not at compile time, according
to your theory. What then to you make of this?

Cheers,

David

P.S. The code *does* compile in IDL 5.5, by the way,
even though the PHASE keyword is not defined there, either.

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