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Subject: Re: reverse problem

Posted by [news.qwest.net](http://news.qwest.net) on Fri, 04 Nov 2005 17:04:00 GMT

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<liamgumley@gmail.com> wrote in message

news:1131118887.329659.247860@g43g2000cwa.googlegroups.com.. .

> Bob,

>

> Is it possible that you have another file named reverse.pro somewhere

> in your IDL path? Here's one way you can find which version of

> reverse.pro is being compiled:

>

> IDL> doc\_library, 'reverse'

> ----- Documentation for /Applications/rsi/idl\_6.1/lib/reverse.pro -----

>

> Cheers,

> Liam.

> Practical IDL Programming

> <http://www.gumley.com/>

Good tip Liam. The only "reverse" function is the RSI one.

As Paolo points out, the routine is returning the keyword value, replicated to the size of the input array. Neat!

So, it is treating reverse as a single element array, then accessing it with the input array as an index (which exceeds the "reverse" array size, and by IDL's default rule, it replicates the last number).

example:

IDL> x = 1

IDL> print, x(findgen(10))

1 1 1 1 1 1 1 1 1 1

But the really really strange thing is that, as I showed in my original post,

that the problem was persistent. After running the routine, the keyword "reverse"

escaped the local scope of the routine, and came to main level (and thus overwriting the

reverse function at the main level). Of course, this is how keywords are supposed to work,

but it was kind of a surprise.

Cheers,

bob

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