
Subject: Re: 8.0 name conflict

Posted by [Mark Piper](#) on Thu, 12 Aug 2010 13:47:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Aug 11, 8:34 pm, wlandsman <wlands...@gmail.com> wrote:

> There is a popular procedure legend.pro in the IDL Astronomy library
> (<http://idlastro.gsfc.nasa.gov/ftp/pro/plot/legend.pro>) for putting
> a legend on a direct graphics plot. IDL 8.0 has a *function*
> LEGEND() for placing a legend on a PLOT(). While there is no
> conflict between a user procedure and an *intrinsic* function with the
> same name, in this case the ITTVIS function LEGEND() is written in
> IDL. So which ever gets compiled first prevents the other
> legend.pro from being compiled.
>
> If I put the standard IDL library at the beginning of the !PATH then I
> can't call the direct graphics LEGEND.
>
> IDL> legend
> % Compiled module: LEGEND.
> % Attempt to call undefined procedure/function: 'LEGEND'.
>
> But if I put the Astron Library ahead in the !PATH then I can't call
> LEGEND()
>
> IDL> l = legend(TARGET=[p1,p2], POSITION=[140,0.9], /DATA)
> % Compiled module: LEGEND.
> % Attempt to call undefined procedure/function: 'LEGEND'.
>
> --Wayne

Hi Wayne,

I use the astrolib LEGEND a lot (but not as much recently since it's my job to use IDL 8.0!) My workaround is to use the default !path ordering and manually compile the astrolib LEGEND in my startup file -- the function and procedure form of LEGEND can then comfortably coexist in the IDL session.

mp

Subject: Re: 8.0 name conflict

Posted by [Jeremy Bailin](#) on Thu, 12 Aug 2010 13:54:45 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Aug 11, 10:34 pm, wlandsman <wlands...@gmail.com> wrote:

> There is a popular procedure legend.pro in the IDL Astronomy library
> (<http://idlastro.gsfc.nasa.gov/ftp/pro/plot/legend.pro>) for putting

> a legend on a direct graphics plot. IDL 8.0 has a *function*
> LEGEND() for placing a legend on a PLOT(). While there is no
> conflict between a user procedure and an *intrinsic* function with the
> same name, in this case the ITTVIS function LEGEND() is written in
> IDL. So which ever gets compiled first prevents the other
> legend.pro from being compiled.
>
> If I put the standard IDL library at the beginning of the !PATH then I
> can't call the direct graphics LEGEND.
>
> IDL> legend
> % Compiled module: LEGEND.
> % Attempt to call undefined procedure/function: 'LEGEND'.
>
> But if I put the Astron Library ahead in the !PATH then I can't call
> LEGEND()
>
> IDL> l = legend(TARGET=[p1,p2], POSITION=[140,0.9], /DATA)
> % Compiled module: LEGEND.
> % Attempt to call undefined procedure/function: 'LEGEND'.
>
> --Wayne

Yikes, that's going to break lots of my code when I upgrade. :(I
suppose you'll rename the astronomy library procedure? I'm going to
have a fun day of search-and-replace then...

-Jeremy.

Subject: Re: 8.0 name conflict
Posted by [penteado](#) on Thu, 12 Aug 2010 14:04:06 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Aug 12, 10:54 am, Jeremy Bailin <astroco...@gmail.com> wrote:
> Yikes, that's going to break lots of my code when I upgrade. :(I
> suppose you'll rename the astronomy library procedure? I'm going to
> have a fun day of search-and-replace then...

Or you can set up a startup file that compiles it, as Mark mentioned
above.

I had been for some time wondering if/when those main libraries that
people use (IDLAstro included) are going to get their routine names
changed to something unique, such as by adding a prefix.

Subject: Re: 8.0 name conflict

Posted by [wlandsman](#) on Thu, 12 Aug 2010 15:07:28 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Aug 12, 10:04 am, Paulo Penteado <pp.pente...@gmail.com> wrote:

> On Aug 12, 10:54 am, Jeremy Bailin <astroco...@gmail.com> wrote:

>

> Or you can set up a startup file that compiles it, as Mark mentioned

> above.

>

I will probably do both, keep legend.pro but warn users to compile it in their startup, and also include a new file ial_legend.pro that performs the same tasks.

> I had been for some time wondering if/when those main libraries that

> people use (IDLAstro included) are going to get their routine names

> changed to something unique, such as by adding a prefix.

IDL is often used for quick and dirty analyses, and for these cases a function or variable that is easy to type has its virtues. (To reply to an earlier comment from Bennett -- that is why I liked to use the variable name 'list' for a set of integers.) So I will probably modify library names on an "as needed" basis. --Wayne
