Subject: Re: IDL Astronomy Library: Some procedures doesn't work? Posted by David Fanning on Wed, 19 Dec 2012 14:03:29 GMT

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Nothingness writes:

- > I have IDL and IDL Astronomy Library installed on server of my
- > institute. Some procedures can be executed, like hastrom, ad2xy,
- > correl optimize, etc. However some others can't, like convolve,
- > psf gaussian, etc. Even though their locations are in the IDL paths
- > and some of them (convolve and correl_optimize) are in the same
- > directory. And they have the same permissions.

>

> Do you have any idea how to fix this?

Yes, call the procedures as procedures:

IDL> Junk

And call the functions as functions:

IDL> var = Junker()

Functions in IDL always return a value. You have to provide a receptacle (variable) for the value of the function to be returned in.

Cheers.

David

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David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: http://www.idlcoyote.com/

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: IDL Astronomy Library: Some procedures doesn't work? Posted by wlandsman on Wed, 19 Dec 2012 18:05:19 GMT View Forum Message <> Reply to Message

On Wednesday, December 19, 2012 8:50:47 AM UTC-5, BlueSky wrote:

- > IDL> psf_gaussian
- > % Compiled module: PSF_GAUSSIAN.
- > % Attempt to call undefined procedure/function: 'PSF_GAUSSIAN'.
- > % Execution halted at: \$MAIN\$

For a long time I've felt that IDL gives a very confusing error message here. One sees the function compiled successfully, and then an immediate error message of "undefined procedure/function". I realize that one can have two distinct modules with the same name -- one a procedure and one a function. But it would be nice if the compilation message could say whether a procedure or function was compiled, e.g.

% Compiled function: PSF_GAUSSIAN.

and if the error message said whether it was a procedure or function call, e.g.

- > % Attempt to call undefined procedure: 'PSF_GAUSSIAN'.
- --Wayne

> >

> > >

> > >

> >

Subject: Re: IDL Astronomy Library: Some procedures doesn't work? Posted by Mark Piper on Thu, 20 Dec 2012 20:10:30 GMT View Forum Message <> Reply to Message

On Wednesday, December 19, 2012 11:05:19 AM UTC-7, wlandsman wrote:

> For a long time I've felt that IDL gives a very confusing error message here. One sees the function compiled successfully, and then an immediate error message of "undefined procedure/function". I realize that one can have two distinct modules with the same name -- one a procedure and one a function. But it would be nice if the compilation message could say whether a procedure or function was compiled, e.g.

> % Compiled function: PSF_GAUSSIAN.

> and if the error message said whether it was a procedure or function call, e.g.

>> % Attempt to call undefined procedure: 'PSF_GAUSSIAN'.

> --Wayne

Hi Wayne,

Chris & I like this idea; his team is looking into it.

Subject: Re: IDL Astronomy Library: Some procedures doesn't work? Posted by Nothingness on Tue, 08 Jan 2013 14:18:23 GMT View Forum Message <> Reply to Message

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On Wednesday, December 19, 2012 10:03:29 PM UTC+8, David Fanning wrote:
> Nothingness writes:
>> I have IDL and IDL Astronomy Library installed on server of my
>> institute. Some procedures can be executed, like hastrom, ad2xy,
>> correl_optimize, etc. However some others can't, like convolve,
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  And call the functions as functions:
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   IDL> var = Junker()
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```
> provide a receptacle (variable) for the value of the
>
> function to be returned in.
>
> Cheers,
>
>
>
> David
>
>
>
>
  David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
  Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
Hi David,
Thanks for the tips. The function psf_gaussian works properly when I input variables in, e.g. psf =
psf_gaussian([12,23,19.2],npixel=50).
D
```