
Subject: IDL Astronomy Library: Some procedures doesn't work?

Posted by [Nothingness](#) on Wed, 19 Dec 2012 13:50:47 GMT

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Hi everyone,

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?

Below are "ls -l" of image directory and the output of some commands.

```
=====
-rw-rw-r-- 1 hnduy stapdev 1864 Dec 17 16:43 aaareadme.txt
-rw-rw-r-- 1 hnduy stapdev 5040 Dec 17 16:43 boxave.pro
-rw-rw-r-- 1 hnduy stapdev 7615 Dec 17 16:43 convolve.pro
-rw-rw-r-- 1 hnduy stapdev 6997 Dec 17 16:43 correl_images.pro
-rw-rw-r-- 1 hnduy stapdev 4312 Dec 17 16:43 correl_optimize.pro
-rw-rw-r-- 1 hnduy stapdev 5602 Dec 17 16:43 corrmatrix_analyze.pro
-rw-rw-r-- 1 hnduy stapdev 34640 Dec 17 16:43 cr_reject.pro
-rw-rw-r-- 1 hnduy stapdev 3819 Dec 17 16:43 dist_circle.pro
-rw-rw-r-- 1 hnduy stapdev 4837 Dec 17 16:43 dist_ellipse.pro
-rw-rw-r-- 1 hnduy stapdev 8652 Dec 17 16:43 filter_image.pro
-rw-rw-r-- 1 hnduy stapdev 7599 Dec 17 16:43 frebin.pro
-rw-rw-r-- 1 hnduy stapdev 8605 Dec 17 16:43 imlist.pro
-rw-rw-r-- 1 hnduy stapdev 2911 Dec 17 16:43 max_entropy.pro
-rw-rw-r-- 1 hnduy stapdev 3786 Dec 17 16:43 max_likelihood.pro
-rw-rw-r-- 1 hnduy stapdev 5534 Dec 17 16:43 medarr.pro
-rw-rw-r-- 1 hnduy stapdev 1794 Dec 17 16:43 positivity.pro
-rw-rw-r-- 1 hnduy stapdev 7930 Dec 17 16:43 psf_gaussian.pro
-rw-rw-r-- 1 hnduy stapdev 6102 Dec 17 16:43 rinter.pro
-rw-rw-r-- 1 hnduy stapdev 3535 Dec 17 16:43 sigma_filter.pro
-rw-rw-r-- 1 hnduy stapdev 10739 Dec 17 16:43 skyadj_cube.pro
-rw-rw-r-- 1 hnduy stapdev 2640 Dec 17 16:43 xmedsky.pro
=====
```

```
=====
IDL> hastrom
% Compiled module: HASTROM.
Syntax: HASTROM, oldim, oldhd, refhd
       or HASTROM, oldim, oldhd, newim, newhd, refhd
          [ MISSING=, DEGREE=, INTERP=, NGRID=, CUBIC = ]
IDL> ad2xy
% Compiled module: AD2XY.
```

```
Syntax -- AD2XY, a, d, astr, x, y
IDL> correl_optimize
% Compiled module: CORREL_OPTIMIZE.
Syntax - CORREL_OPTIMIZE, imA, imB, Xoffset, Yoffset
Keywords - /Monitor, /Print, XoffInit =, YoffInit =, Magnification =, /
Numpix
```

```
IDL> convolve
% Compiled module: CONVOLVE.
% Attempt to call undefined procedure/function: 'CONVOLVE'.
% Execution halted at: $MAIN$
IDL> psf_gaussian
% Compiled module: PSF_GAUSSIAN.
% Attempt to call undefined procedure/function: 'PSF_GAUSSIAN'.
% Execution halted at: $MAIN$
IDL>
=====
```

Subject: Re: IDL Astronomy Library: Some procedures doesn't work?
Posted by [David Fanning](#) on Tue, 08 Jan 2013 14:27:06 GMT
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BlueSky writes:

> 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).

Ah, right. Always difficult to know how much detail to put
into answers. :-)

Cheers,

David

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David Fanning, Ph.D.
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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thue. ("Perhaps thou speakest truth.")
