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Subject: Re: Scale the psf on images.

Posted by [bstecklu](#) on Tue, 13 Jan 2015 08:59:22 GMT

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On 2015-01-12 09:15, anes.tziamtzis@gmail.com wrote:

> Hi

>

> I would like to perform a live test during an upcoming observing run. I want to take a series of frames on various sources and check for variability on them. I would like to make the image subtraction as accurate as possible, thus I think that image subtraction should take place after the psf of the frames is matched.

>

> Which technique you think is the best? I tried with the convolve script but the result is not good.

>

> `imconv = convolve( image1, image2, FT_PSF = psf)`

>

> image 1 the science frame and image is the psf frame that I created through iraf.

>

> Any suggestions are appreciated

>

> Thanks a lot.

>

There are a couple of packages around for difference imaging or difference image analysis (DIA), e.g. ISIS <http://www2.iap.fr/users/alard/package.html>. When it comes to IDL you might want to have a look at Dan Bramich's page <http://www.danidl.co.uk/danidl.features.shtml> which provides both papers and code (DanIDL v1.1) for this purpose.

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