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Subject: Re: How to create synthetic images of stars with gaussian psf in IDL.

Posted by [Michael Galloy](#) on Mon, 04 Apr 2016 17:43:33 GMT

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On 4/4/16 9:01 AM, Sonu Tabitha wrote:

> On Monday, April 4, 2016 at 1:13:27 PM UTC+5:30, Sonu Tabitha wrote:

>> I want to create a synthetic image to resemble a stellar field  
>> (say covering an area of 255 by 255 pixels, with a total of about 4  
>> stars having Gaussian PSF). The rest of the image has to be filled  
>> with constant background and noise, as present in the entire image,  
>> but devoid of stars. I want to create this to test a source  
>> extraction algorithm that I have developed. I am a beginner in IDL.  
>> Can you please help me out in coding?

>

> Is there any way to do it with FLTARR?

FLTARR just makes an array of floats (by default 0.0's) of a given size.  
You might use it, but that will be the least of your worries.

Mike

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Michael Galloy

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Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

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