
Subject: Gradient of a level set function

Posted by [Shaktivel Pillai](#) on Thu, 02 Jul 2015 14:34:40 GMT

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i have a fits image with me ;double= array[4096,4096]

i have read the image using
img=readfits('filename.fts')

s = mean(img)

I am using the value of 's' as threshold.

Now i want to define the level set function;

'u' is the level set function.

u = img - s

Now i want to find the gradient of the level set function 'u'.

So;
uxy= gradient(u)

But im getting

% Variable is undefined: Gradient.

Can anyone help me out in this..
thanks

Subject: Re: Gradient of a level set function

Posted by [David Fanning](#) on Thu, 02 Jul 2015 14:43:06 GMT

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SP writes:

```
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> u = img - s  
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> So;  
> uxy= gradient(u)  
>  
> But im getting  
>  
> % Variable is undefined: Gradient.  
>  
> Can anyone help me out in this..
```

The function GRADIENT (which must be something you have written or found somewhere, because it doesn't come in the "normal" IDL distribution) doesn't appear to be on your IDL path where it can be found. Add whatever directory the gradient.pro file is in to your IDL path. Then, restart IDL and you will be good to go.

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.")
