Subject: to convert 3d array to 2d array
Posted by Shaktivel Pillai on Tue, 14 Jul 2015 10:35:17 GMT
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I have an image array of 835*827 pixels
The total size is image array [835, 827, 3]
I want to apply gradient function in this image, so idl is asking to give a 2d image array as input.
Can anyone tell me on
How to convert this 3d image array to a 2d array...
Thanks....

Subject: Re: to convert 3d array to 2d array
Posted by Michael Galloy on Tue, 14 Jul 2015 14:08:31 GMT
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On 7/14/15 4:35 AM, SP wrote:
> I have an image array of 835*827 pixels The total size is image array
> [835, 827, 3] I want to apply gradient function in this image, so
> idl is asking to give a 2d image array as input. Can anyone tell me
> on How to convert this 3d image array to a 2d array... Thanks....
>

If your gradient function wants a 2D array, then you will have to do the
bands of your image separately, i.e.:

im[*, *, 0] = your_gradient_function(reform(im[*, *, 0]))
im[*, *, 1] = your_gradient_function(reform(im[*, *, 1]))
im[*, *, 2] = your_gradient_function(reform(im[*, *, 2]))

Mike
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Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)

Subject: Re: to convert 3d array to 2d array
Posted by Shaktivel Pillai on Wed, 15 Jul 2015 11:17:59 GMT
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On Tuesday, July 14, 2015 at 4:05:19 PM UTC+5:30, SP wrote:
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> Thanks....

thanks buddy..........
It worked