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Subject: Re: Surface fitting image with missing data  
Posted by [werner.hupfer](#) on Thu, 31 Jul 2008 08:27:33 GMT  
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On 31 Jul., 02:12, jradavenp...@gmail.com wrote:  
> Hey all;  
>  
> I have a 2-D array (essentially an image) with dimensions [n,m]  
>  
> There is a large chunk in a corner of the image with no data. All  
> pixels have values greater than 1, except within this chunk, which =  
> 0.  
>  
> SFIT fits these as valid points and tips my surface (a plane) towards  
> this corner! I thought I would be terribly clever by doing the  
> following:  
>  
> result = sfit( finite(image/(image gt 0)),1,/max\_degree)  
>  
> alas, SFIT isnt playing ball and makes a whole array of /NaN...  
>  
> Thoughts? Is there a version of SFIT (or something similar) with a /  
> NaN keyword? A more clever way to fit a simple surface to an image  
> with missing data? Thanks folks  
>  
> - Jim

Hello Jim

I can highly recommend the library from Craig Markwardt. I use mpfitfun for 2D fitting. Among one of the many useful features is the ability to do curvefit on data points set to NaN!!!!

<http://cow.physics.wisc.edu/~craigm/idl/idl.html>

Cheers  
Werner

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