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Subject: Re: Surface fitting image with missing data  
Posted by [Craig Markwardt](#) on Mon, 04 Aug 2008 04:52:20 GMT  
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werner.hupfer@googlemail.com writes:

> 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.  
...  
>  
> 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>

Thanks for the plug!

Actually MPFIT doesn't accept NaNs but probably should. Even so, you can set the WEIGHTS to zero for your missing data (or equivalently, the ERRORS to a very large number).

Craig

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response  
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