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Subject: Re: interpolation for resizing

Posted by [Craig Markwardt](#) on Wed, 03 Dec 2008 10:13:41 GMT

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On Dec 2, 11:07 pm, David Fanning <n...@dfanning.com> wrote:

> Chris writes:

>> One potential issue with this approach is that IDL may interpolate  
>> between your 9999 values and your real data values when you expand the  
>> array. If you set the 9999s to !values.f\_nan beforehand, then the  
>> interpolation will behave more sensibly.

>

> I deliberately used CONGRID without the INTERP keyword

> to avoid this problem. Nearest neighbor interpolation

> does not create any data that is not present in the

> original image.

That's true, but nearest-neighbor sampling also adds high-frequency aliases, so what one uses to interpolate does depend on what one needs.

Craig

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