Subject: Re: change linear scale to a non-linear
Posted by Craig Markwardt on Thu, 09 Aug 2001 20:31:18 GMT
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Clay Kirkendall <clay.kirkendall@nrl.navy.mil> writes:

> Kim Nielsen wrote:
>
>> Hi,
>>
>> I have a two dimensional data set with one dimension is time and the
>> other is the data samples. Each data bin corresponds to an look angle
>> and I am using the TV command to show the data and then use plot
>> command to put on the axis (time and look angle). What I would like to
>> do now is to change from look angle to geographic latitude. Since this
>> is a non-linear relation I need to scale the data set in the same way.
>> Is there an easy way to do so when I am using the TV command ?
>>
>> Thanks,
>>   Kim
>
> Kim,
>   I have done something similar to go from linear to log axis for an
> image. There may be a better way but this will go through the image row by
> row and interpolate the data onto a nonlinear grid. Then just use tv,
> newimage to display the image with the new (nonlinear) axis.

Or, could it be easier to relabel the axes, rather than reinterpolate
the image? I never like the idea of interpolating an image, since you
usually end up throwing away lots of information...

Craig

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