Subject: Re: contour with logarithmic axis
Posted by Hilmar GUDMUNDSSON GL on Fri, 08 Jun 2001 15:52:26 GMT
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<br>Thanks, but it must be something different. I have !x.style=1 &!y.style=1.  
BTW I'm using PV-WAVE 7.0.
<p>Hilmar
<p>David Fanning wrote:
<blockquote TYPE=CITE>Hilmar GUDMUNDSSON GL D21 2-4093 (hilmar@vaw.baug.ethz.ch)
writes:
<p>> I'm having problems with contour using a logarithmic x axis. 
When
<br>> I contour the data using
<br>>
<br>>        CONTOUR, matrix, x,y, xrange
= [xmin, xmax], yrange = [ymin,
<br>> ymax], $
<br>>           xtitle = x_t, ytitle
= y_t,  max_value = 1000., level = levels,
<br>> xtype=1
<br>>
<br>> the contour lines only appear on a part of the plot. Depending on
the
<br>> exact values of xmin and xmax, the fraction of the plotting area
that is
<br>> contoured changes in an erratic fashion. I can used alog10(matrix)
and
<br>> alog10(x),  which produces a plot which is OK but I would rather
like to
<br>> stick to having the x axis logarithmic if possible.
<br>>
<br>> Has someone else run into this problem? Any solutions?
<p>You are running into IDL's very persistent aesthetic
<br>sensibilities about what constitutes "nice-looking"
<br>axes. You have to hit it upside of the head. Try
<br>setting the XSTYLE  and YSTYLE keywords to 1. :-)
<p>Cheers,
<p>David
<br>--
<br>David Fanning, Ph.D.
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<br>Coyote's Guide to IDL Programming: <a
href="http://www.dfanning.com/">http://www.dfanning.com/</a>
<br>Toll-Free IDL Book Orders: 1-888-461-0155</blockquote>

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