Subject: Re: trigrid + triangulate -> zero values -> ignore zeros on cgcontour

Posted by jkobori19 on Thu, 23 Jan 2014 12:52:27 GMT

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On Thursday, January 23, 2014 1:44:00 PM UTC+1, jkob...@gmail.com wrote:
> On Thursday, January 23, 2014 1:36:39 PM UTC+1, David Fanning wrote:
>
>> jkobori19@gmail.com writes:
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>
>>> On Thursday, January 23, 2014 1:09:25 PM UTC+1, Matthew Argall wrote:
>
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>
>>>> > What I would like to do is to ignore this zeros when creating the contour plot with cgcontour,
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>
>>>> Have you tried the MISSINGVALUE keyword to cgContour?
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>

>>> Hi,
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>
>>> it gives an error: CONTOUR: Invalid value specified for keyword LEVELS: No finite
elements.
>
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>
>> That seems odd. I presume you have downloaded and are using the latest
>
>>
>
>> version of the Coyote Library?
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>
>>   http://www.idlcoyote.com/code_tips/fixcoyoteprogram.php
>
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>> Can I see the way you are calling the program?
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>> Cheers,
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```
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>> David
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>> --
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>
>> David Fanning, Ph.D.
>
>>
>
>> Fanning Software Consulting, Inc.
>
>>
>
>> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
>
>>
>
>> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
>
>
>
> Hi David,
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>
> the code (without missingvalue):
>
>
>
> TRIANGULATE, theta0i, thetaobsi, tr, b
>
>
>
> mx=TRIGRID(theta0i, thetaobsi, ydi, tr, nx=res, ny=res, $
```

```
>
> xgrid=xo, ygrid=yo, max_value=25)
>
>
>
>  levels=50
>
>  step = (Max(mx) - Min(mx)) / levels
>
>  userLevels = IndGen(levels) * step + Min(mx)
>
>
>
> cgcontour, mx, xo, yo,   /fill, xstyle=3, ystyle=3, $
>
> levels=userLevels, xrange=[0.07,0.44], yrange=[0.04,0.45], $
>
> xtitle="Jet half opening angle [rad]", $
>
> ytitle="Observer half angle [rad]", $
>
> Position=[0.1, 0.1, 0.83, 0.95], $
>
> charthick=2, charsize=1.5, thick=3
>
>
>
> cgColorbar,  range=[12, 25], title="AB magnitude", $
>
> /reverse, /vertical, /fit, $
>
> divisions=7, charthick=2, charsize=1.5
```

Sorry, I forgot that of course I'm using the latest Coyote Library.