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

Posted by [jkobori19](#) on Thu, 23 Jan 2014 12:44:00 GMT

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On Thursday, January 23, 2014 1:36:39 PM UTC+1, David Fanning wrote:

> jkobori19@gmail.com writes:

>

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>

>>

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>> On Thursday, January 23, 2014 1:09:25 PM UTC+1, Matthew Argall wrote:

>

>>>> 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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> David
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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,

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
