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Subject: Re: contour plots

Posted by [David Fanning](#) on Fri, 06 Aug 2004 04:04:42 GMT

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Hans Clarke writes:

> Here is some data, which I have stored in Excel:

>

> f Period        Gamma

> 6.8 15.7       0.01

> 7 9.9         0.04

> 7.5 6.1        0.17

> 8 4.8          0.34

> 8.5 4          0.56

> 9 3.5          0.81

> 9.5 3.1        1.12

> 10 2.9         1.49

> 10.5 2.6       1.94

> 11 2.4         2.52

> 11.5 2.3       3.29

> 12 2.1         4.39

> 12.5 2          6.26

> 13 1.9         11.05

> 13.3 1.9       37.16

>

> I want to plot, for different f surfaces, Period and Gamma. There is

> probably four times as much data (60 data sets).

Well, assuming you have saved this in a comma delimited text file, with the first line a header line, and that you plan to contour the gamma value and use f as the Y value and period as the X value, I would do something like this:

```
OpenR, lun, 'yourfile.dat', /Get_Lun
rows = File_Lines('yourfile.dat')
header = "
data = FltArr(3,rows-1)
ReadF, lun, header, data
Free_Lun, lun
f = Reform(data[0,*])
period = Reform(data[1,*])
gamma = Reform(data[2,*])
Contour, gamma, period, f, /Irregular, NLevels=10
```

That should get you started, I guess. :-)

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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