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Subject: Re: contour plots

Posted by [hans.clarke](#) on Sun, 08 Aug 2004 08:03:35 GMT

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David Fanning <davidf@dfanning.com> wrote in message  
news:<MPG.1b7cb14493f27fce989813@news.frii.com>...

> 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, /lrregular, NLevels=10

>

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

>  
> Cheers,  
>  
> David

That's great, thanks David

Hans

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