Subject: Re: contour plots
Posted by hans.clarke on Mon, 09 Aug 2004 07:00:20 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, /Irregular, NLevels=10
>
> That should get you started, I guess. :-)

>
> Cheers,
>
> David

Hi again, David

Can you also tell me how I modify this to see a 2D plot for f vs. gamma?

Thanks

Hans
