Subject: Re: contour plots Posted by hans.clarke on Mon, 09 Aug 2004 06:57:29 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
>> 79.9
              0.04
>> 7.5 6.1
                0.17
>> 8 4.8
               0.34
>> 8.5 4
              0.56
>> 93.5
               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. It works, so thanks, David.

I also want to know how to transfer the generated plot to a postscript file. Can you help me?

Hans