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Subject: Re: XDR format files

Posted by [Helder Marchetto](#) on Wed, 24 Oct 2012 08:39:55 GMT

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On Tuesday, October 23, 2012 11:29:37 AM UTC+2, sid wrote:

> On Monday, October 22, 2012 2:49:58 PM UTC+5:30, Helder wrote:

>

>> On Monday, October 22, 2012 10:50:09 AM UTC+2, sid wrote:

>

>>

>

>>> Hi all,

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>>> Please let me know how to open a xdr format file.

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>>> I dont know the data type and size of the file. So I couldnt use the READU command.

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>>> Please do help out in this regard.

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>

>>> thanking you in advance.

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>>>

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>
>>> sid
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>
>> Hi,
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>
>> as far as I could see, xrd file are ascii files for x-ray diffraction with a header and the last line
contains the "0 0 0" reflection.
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>
>> Then you have at least two options:
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>>
>
>> 1) you loop until you find the end line or the end of the file. The header lines start with a "["
and the data lines are composed of four numbers: hkl (Miller indices) and intensity. After you
define the Line variable as a string (line="), you may read each line with the command:
>
>>
>
>> readf, Lun, Line
>
>>
>
>> Then check for the "[" character. If present, then it's header, otherwise not.
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>> 2) The other option is to count the number of header lines and the number of lines in the file
by using the FILE_LINES(FileName) function. Then you can create an array or structure with the
correct dimensions. Something like:
>
>>
>

```

```

>> Reflex = REPLICATE({h:0,k:0,l:0,Intensity:0.0},FILE_LINES(XRD_FileNam
e)-nHeaderLines-1)
>
>>
>
>> And then you fill in the values.
>
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>
>> Once you read a line, you can use the STRSPLIT(Line, /EXTRACT) function to get an array of
four elements where the first three are Miller indices and the fourth is an intensity.
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>
>> I hope this helps.
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>>
>
>> Cheers,
>
>>
>
>> Helder
>
>
>
> Hello sir,
>
> The file which I am having is XDR(external data representation) files. Please let me know
how to open this kid of file.
>
> thank you
>
> sid

```

Ups, I got that one completely wrong... My browser auto-corrects the inputs depending on my

usual research field queries!

Anyway, if you want to switch to xrd files, they seem easier to read :-)

Cheers,

h

h

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