

---

Subject: Re: XDR format files

Posted by [sid](#) on Tue, 23 Oct 2012 09:29:37 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

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,

>

>>

>

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

>

>>

>

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

>

>>

>

>> Please do help out in this regard.

>

>>

>

>> thanking you in advance.

>

>>

>

>> sid

>

>

>

> Hi,

>

> 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.

>

> Then you have at least two options:

>

> 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.

>

>

>

> 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\_FileName)-nHeaderLines-1)

>

> And then you fill in the values.

>

>

>

> 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.

>

>

>

> I hope this helps.

>

>

>

> Cheers,

>

> Helder

Hello sir,

The file which I am having is XDR(external data representation) files. Please let me know how to open this kind of file.

thank you

sid

---