Particular use of **WinPLOTR** : running from a command file

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Exotic use of **WinPLOTR** from a command file

- no GUI (forget your mouse !)
- **WinPLOTR** execute commands stored in a input file (`winplotr.cmd`)
- Launch **WinPLOTR** from the command line :

```
d:\data>winplotr winplotr.cmd
```

by the user of an external program.

Available keywords

>> Open a file :

FILE `data_file%name data_file%format`

- Pattern file : format = 1 - 15
- Raw data file : format = 51 - 57
- Profile file : format = 100 - 105
- Mic file : format = 201 - 104

>> Format conversion :

SAVE_AS_XY, SAVE_AS_INSTRM_0

>> Input wavelength

WAVE 1.5406

>> Change X space :

TRANSF_X1_TO_X2

With any combination of **X1 and X2 (**excepted **X1=X2)**

X1_2 = 2THETA / Q / STL / D / S

D = d_hkl
STL = sin?/?
Q = 4?sin?/?
S = 1/d_hkl

>> UXD multi scans data normalisation (format=56) :

UXD_NORMA

>> Automatic single peak/doublet fitting :

FIT_SINGLE_PEAK
FIT_SINGLE_DOUBLET_CU
FIT_SINGLE_DOUBLET_MO
FIT_SINGLE_DOUBLET_FE

>> Export graphics :

EXPORT_AS_BITMAP
EXPORT_AS_POSTSCRIPT

Applications

>> Repeat the same sequence for a large number of data file :

Example :

```
FILE data_file_001.uxd 9
SAVE_AS_XY
FILE data_file_002.uxd 9
SAVE_AS_XY
…
FILE data_file_455.uxd 9
SAVE_AS_XY
```

Examples of command file for **WinPLOTR**

X Space transformation :

```
FILE my_Q_data.dat 1
WAVE 1.5406
TRANSF_Q_To_2THETA
SAVE_AS_XY
```

Profile fitting

```
FILE CeO2.dat 2
FIT_SINGLE_PEAK
RESET
FILE CeO2_pf.xrf 106
EXPORT_AS_BMP
```