

S m a r t L a b 極点測定における b a c k g r o u n d ファイル

2023年09月01日

HelperTex Office

概要

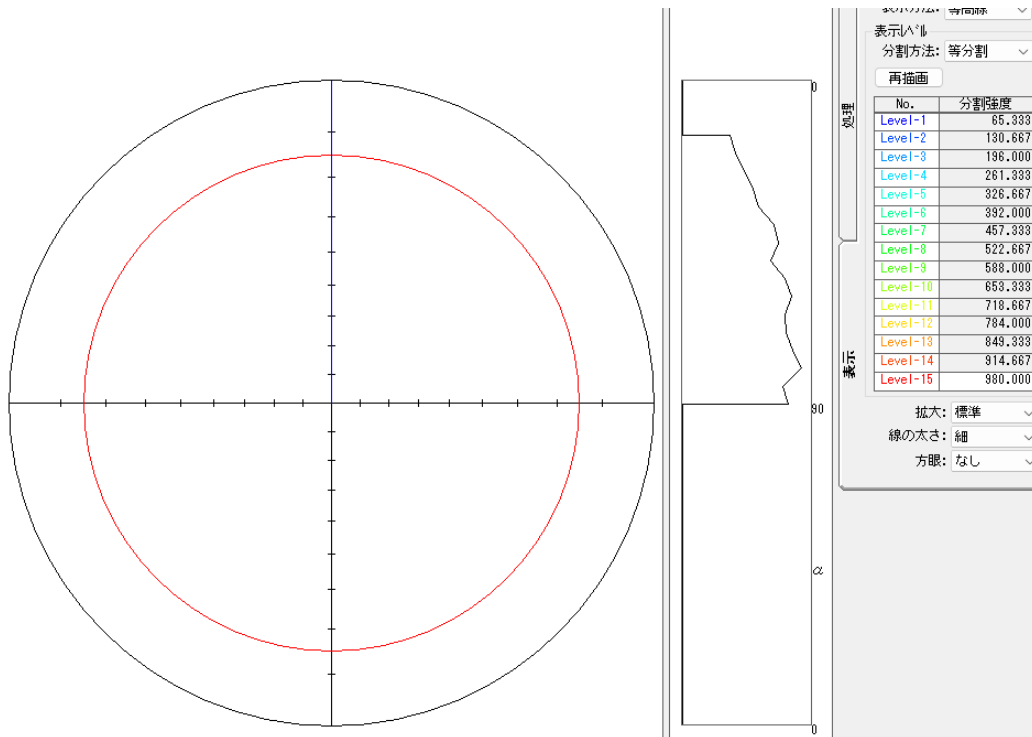
S m a r t l a b 極点において、測定と同時に A S C ファイルを作成すると、ピークファイル以外に b a c k g r o u n d ファイルが作成されている。

測定を行うと、ピークデータ (A S C) g r o u n d 位置に登録されるが、なぜか b a c k g r o u n d データファイルも作成されている。

F T 測定では、B 方向 1 点のデータが作成されている。

```
*FULL_SCALE      = 385↓
*PF_ANGLE        = 15↓
*PF_BANGLE       = 0.000000↓
*INDEX           = 1, 1, 0↓
*COUNT          = 1↓
385↓
*END↓
.
```

このデータは等高線では表示できない。



このため、C T R ソフトウェアでは、B 方向 1 点の場合、
B 方法に同一値で 3 6 0 度拡大して読み込ませる改造を行った。

影響するソフトウェア

GPPoleDisplay.jar	Executable Jar F...	101 KB	2023/08/31 21:31
ODFPoleFigure2.jar	Executable Jar F...	279 KB	2023/08/31 15:35
ODFPoleFigure2S.jar	Executable Jar F...	288 KB	2023/08/31 15:34
ODFPoleFigure1_5S.jar	Executable Jar F...	224 KB	2023/08/31 15:34
ODFPoleFigure1_5.jar	Executable Jar F...	214 KB	2023/08/31 15:33

例 ODFPoleFigure2 で読み込み

The screenshot displays the ODFPoleFigure2S 4.09 software interface. At the top left, a circular pole figure plot is shown with a color scale from blue (low intensity) to red (high intensity). The main window title is "ODFPoleFigure2S 4.09 by CTR, PDuser HelperTex CTR". The menu bar includes "File", "Linear(absolute)3D", "ToolKit", "Help", "InitSet", "BGMode", "Measure", "Condition", "Free", "OverlapRevision", "MinimumMode", "Rp%", and "Normalization".

The interface is divided into several sections:

- Files select:** Shows the selected file "110_ref_102-1_BG_low_β.asc" and a file browser icon.
- Holder:** Includes buttons for "Holder", "Rename", and "Renamw-delete".
- Calcratation Condition:** Contains "Previous" and "Next" buttons, the file path "C:\tmp\Background-1\data\110_ref_102-1_BG_low_β.asc", and a "hkl" field set to "1,1,0".
- Background delete mode:** Offers radio buttons for "DoubleMo...", "SingleMode", "LowMode", "HighMode", "Nothing", "Minimum(α β)", and "MinimumAverage(α)X". It also includes fields for "BG defocus" (DSH1.2mm+Schulz+RSH5mm), "Trans blinds angle" (30.0), "Peak slit" (3.0 mm), "BG Slit" (3.0 mm), and "BG Scope" (80.0 deg, 90.0 deg).
- AbsCalc:** Includes checkboxes for "Ref" and "Trans", a "Schulz reflection method" dropdown, "Absorption coeffieien" (256.9 1/cm), "Thickness" (0.2 cm), "2Theta" (20.226 deg), and "1/Kt" radio button.
- Defocus file Select:** Includes a "Select Transmission defocus HKL+T" checkbox, a "Defocus(1) functions file" dropdown, and a "Defocus(2) function files folder(Calc backdefocus)" dropdown set to "DSH1.2mm+Schulz+RSH5mm".
- Smoothing for ADC:** Includes "Cycles" (2) and "Weight" (10) dropdowns, and a "Disp" button.
- Normalization:** Includes checkboxes for "CTR", "Connect", and "Average".
- CenterData:** Includes a radio button for "Average".
- OutFiles:** Includes radio buttons for "ASC", "MTexAsc", "Ras", "TXT", and "TXT2".

At the bottom, there are buttons for "Cancel", "Calc", and "Connect", along with a status bar showing "CTRHome : C:", "Select crystal : Cubic", and the date "23/09/01".

