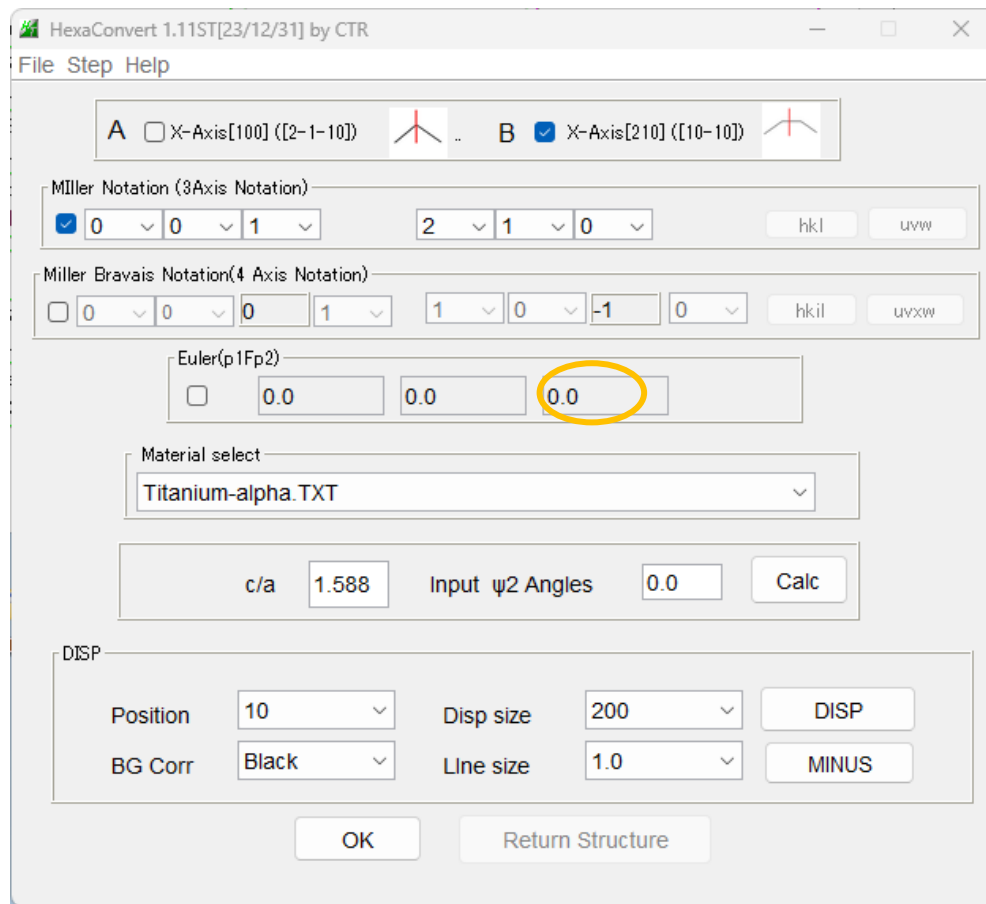


HexagonalTitaniumの配向関数

3 指数 <> 4 指数

X軸 $[100]$, $[2-1-10]$ <> $[210]$, $[10-10]$

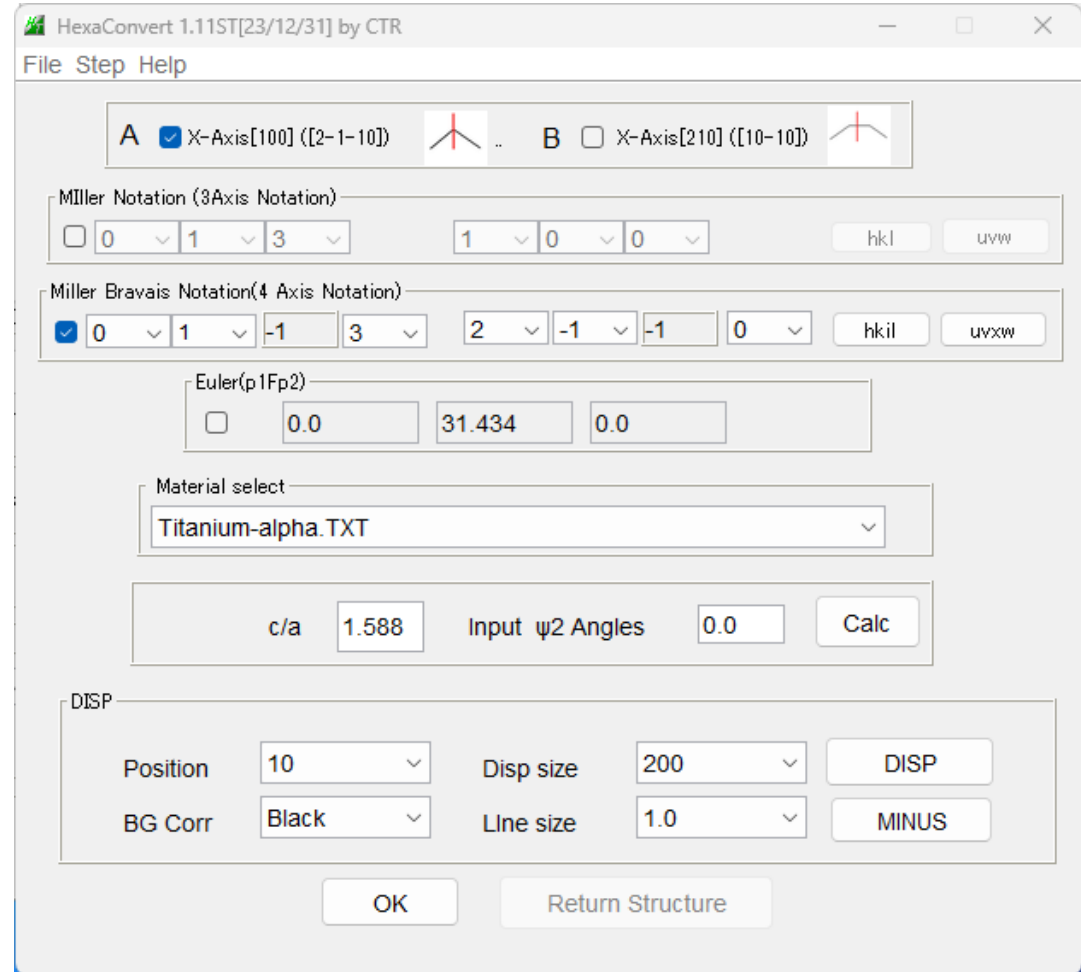
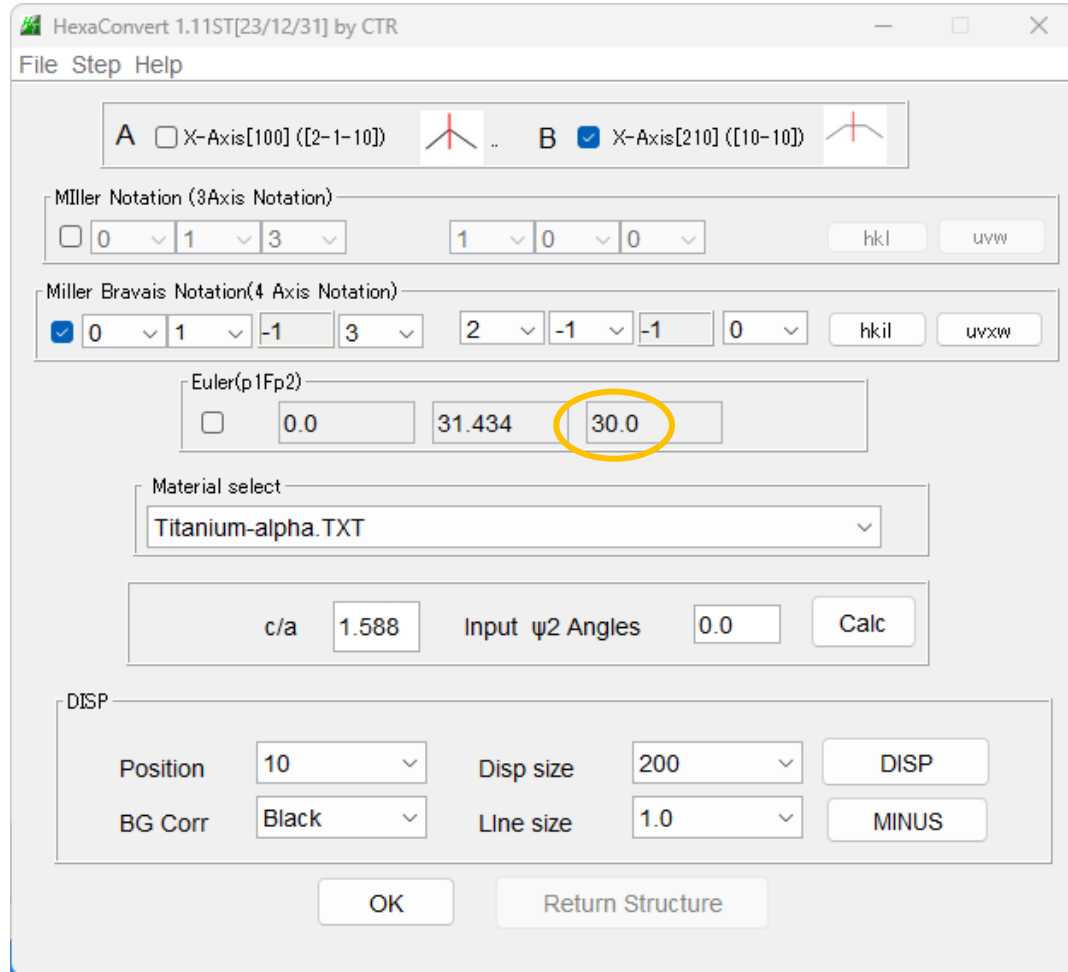


LaboTex default 3指数 X軸 $[100]$

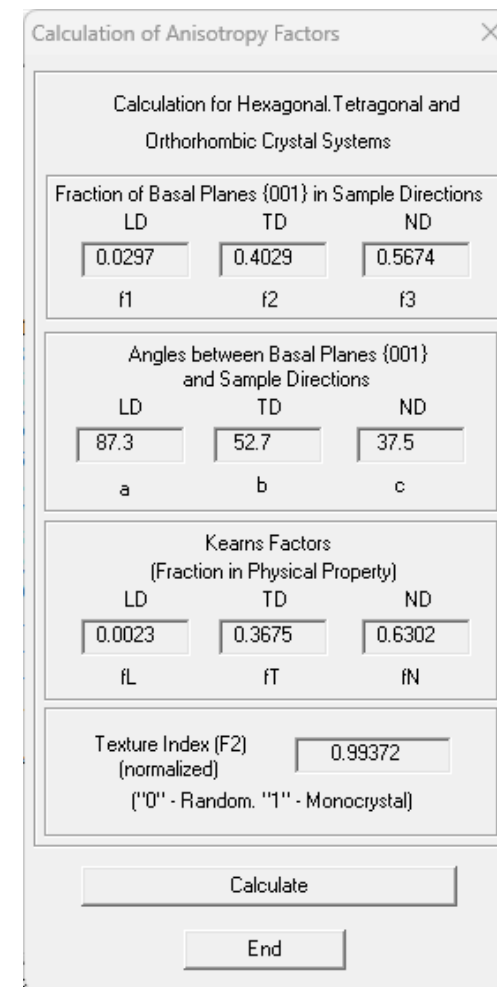
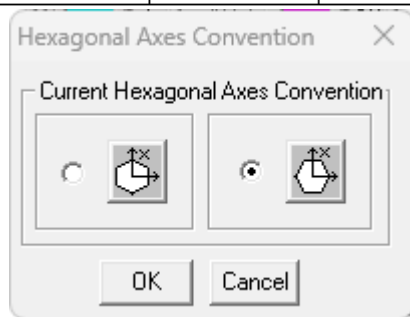
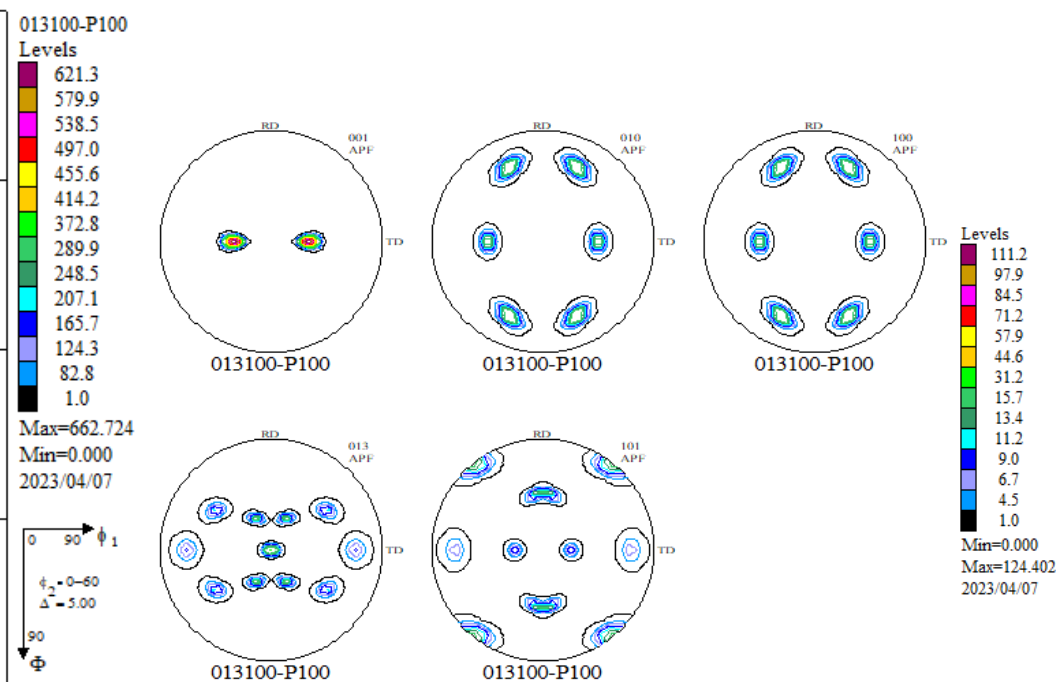
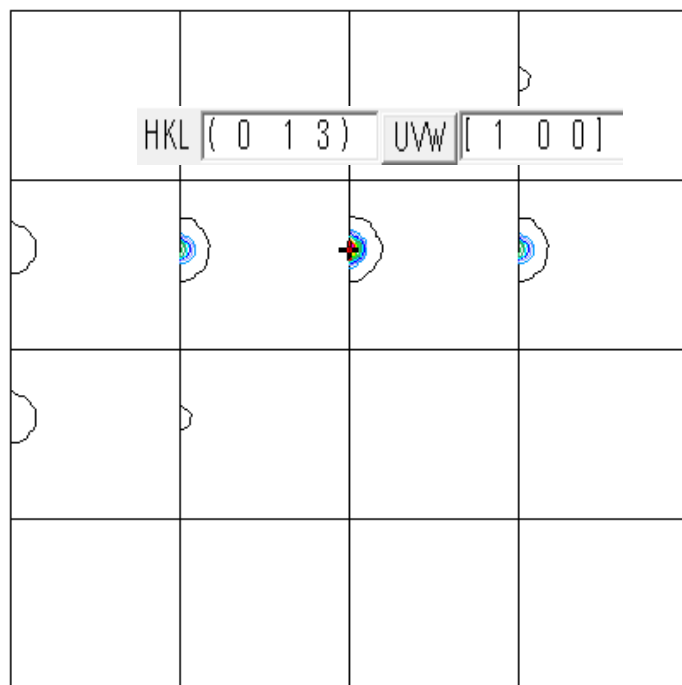
X軸変更で $\phi 2$ が 30deg 変化する

LaboTexで極点図を作成し、極点図から配向評価を行う

(01-13)[2-1-10],(013)[100]方位を作FWHM=10deg,VF%=100%

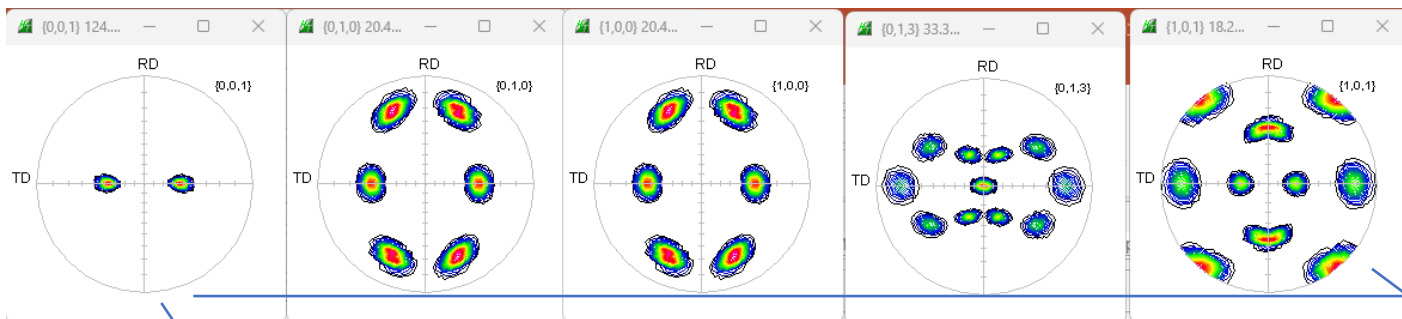


(01-13)[2-1-10],(013)[100]方位を作FWHM=10deg,VF%=100%



極点図をExport

配向関数計算



Hexagonal-ODAOrientation

File Help PP&PE&Polyimide&Hexagonal Orientation PrintScreen

Select TXT2

(002) L:\DATA\Tij\001_labotexCCW-rp_2.TXT

{101} L:\DATA\Tij\101_labotexCCW-rp_2.TXT

PoleDisp ContourDisp {002}Orientation {101}Orientation Calc

Hexagonal c/a= 1.59

HexagonalOrientation

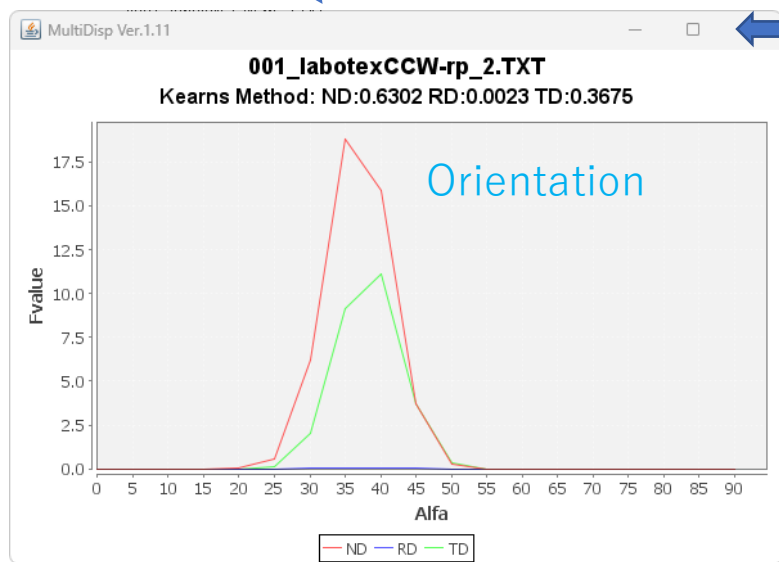
Result

direction	ND	RD	TD	fnl	frd	ftd
(002)	0.6302	0.0022	0.3675	0.4453	-0.4966	0.0513
{101}	0.2593	0.4167	0.3239	-0.1110	0.1250	-0.0140
a-axis	0.2571	0.4171	0.3257	-0.1142	0.1256	-0.0114
b-axis	0.2571	0.4171	0.3257	-0.1142	0.1256	-0.0114
c-axis	0.4856	0.1657	0.3485	0.2284	-0.2513	0.0228

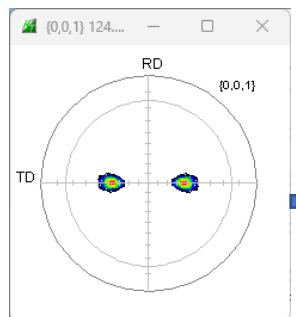
ResultFile

Kearns Factors
(Fraction in Physical Property)

	LD	TD	ND
IL	0.0023	0.3675	0.6302
IT			
IN			



LaboTex



{001}の反射データ(0->75)

{001}極点図の極が0->75度以内、反射測定であれば測定データから評価可能

