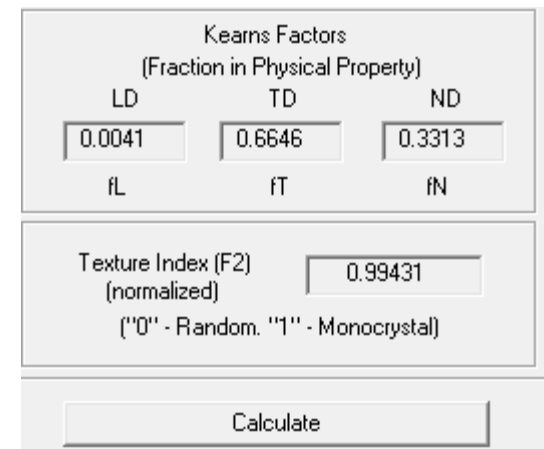
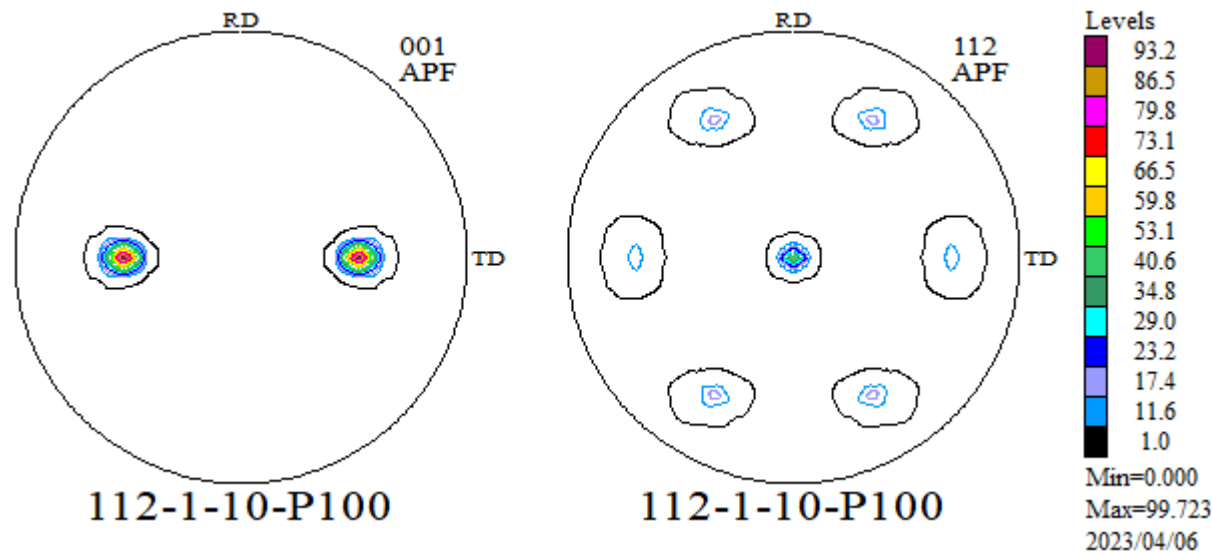


TetragonalCuFeS2における配向

配向関数はND, TD, RD方向への偏りで{001}極点図の評価

特定面{h k l}の配向関数とは？

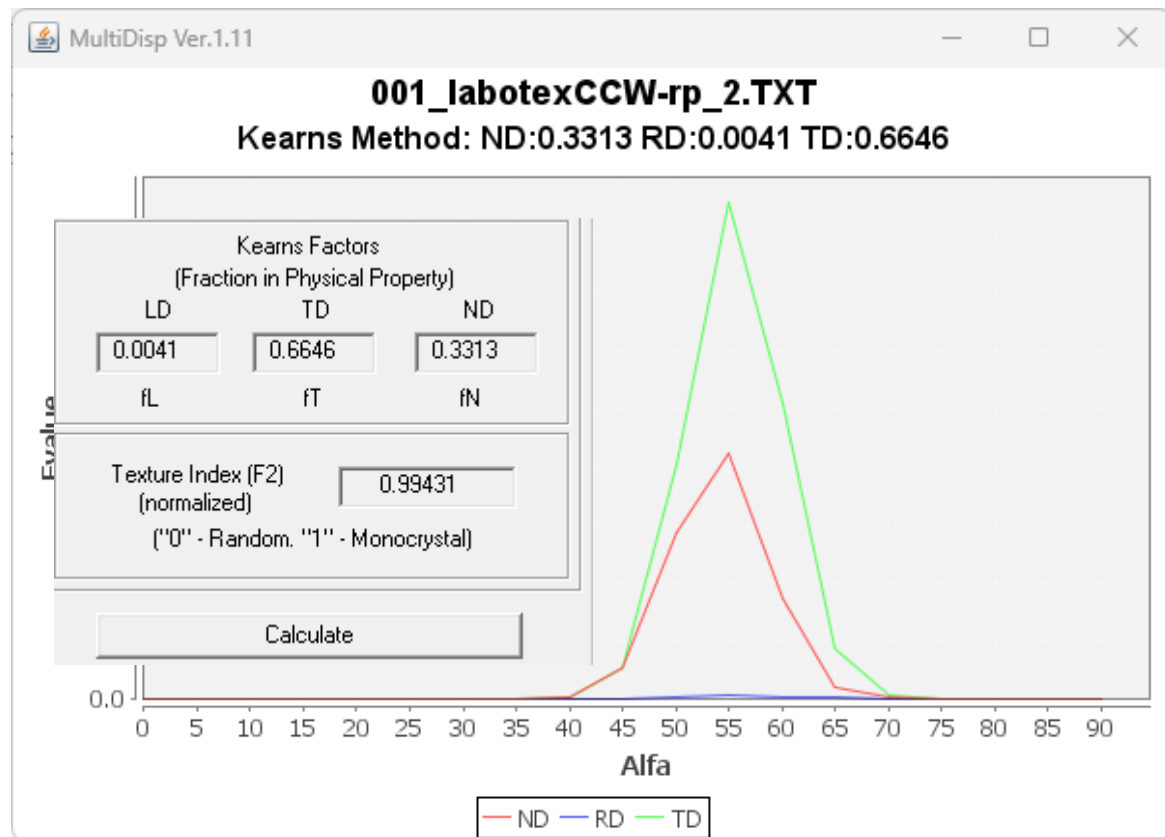
{112}<1-10>がVF%=100%の場合



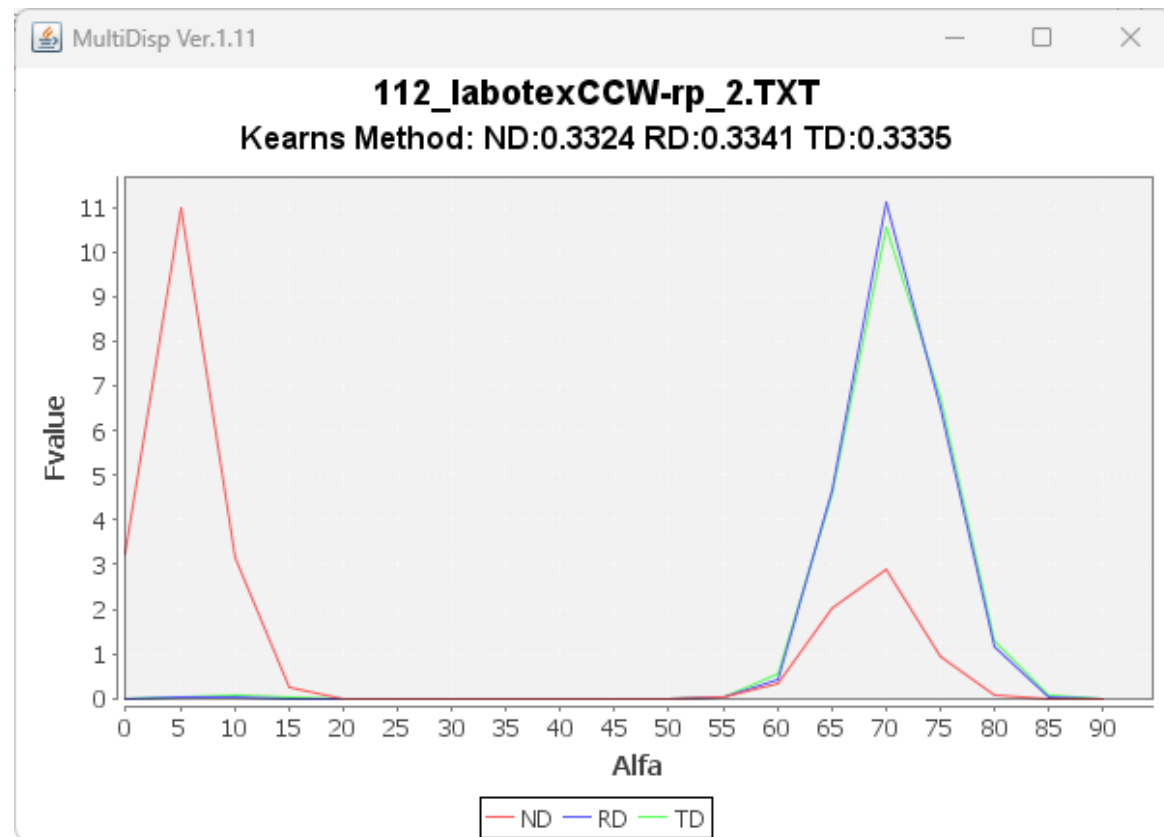
ODFからND, TD, RDに対して計算{001}の配向関数である。

極点図をExportしてOrientationで計算する

CuFeS₂{112}<1-10>の配向関数



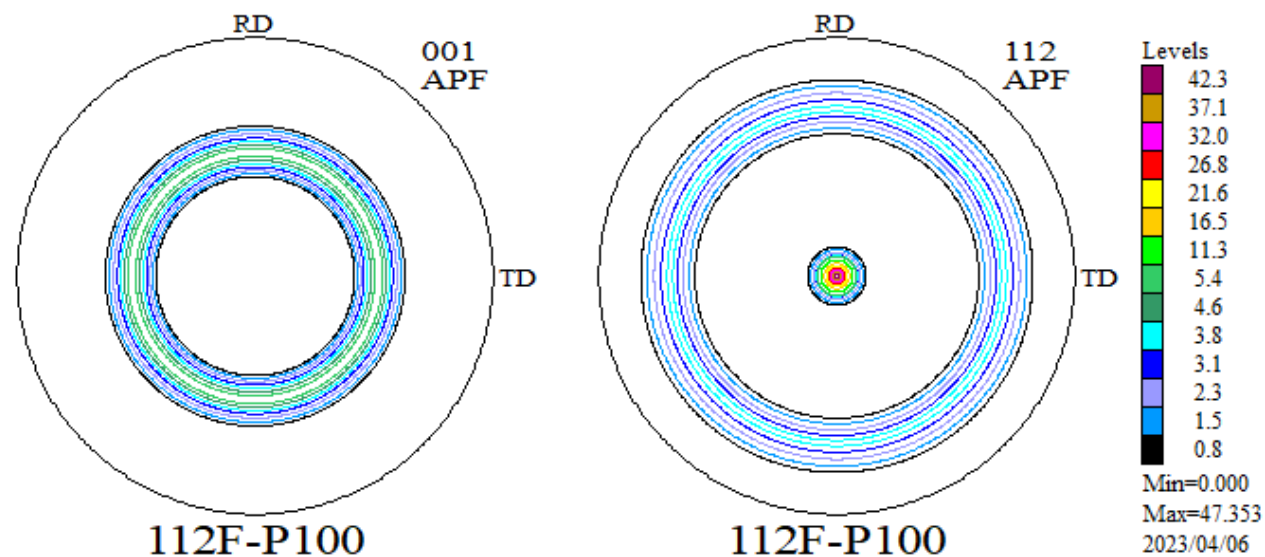
TD:大きい、RD:少ない{001}は評価できる



0.33で{112}は評価できない

ND:{112} RD:{-102},TD:{01-2}への偏り評価

< 1 1 2 > Fiberの配向関数



極点図をExportし評価

Calculation of Anisotropy Factors

Calculation for Hexagonal, Tetragonal and Orthorhombic Crystal Systems

Fraction of Basal Planes {001} in Sample Directions

LD	TD	ND
0.3339	0.3339	0.3321
f1	f2	f3

Angles between Basal Planes {001} and Sample Directions

LD	TD	ND
54.7	54.7	54.9
a	b	c

Kearns Factors (Fraction in Physical Property)

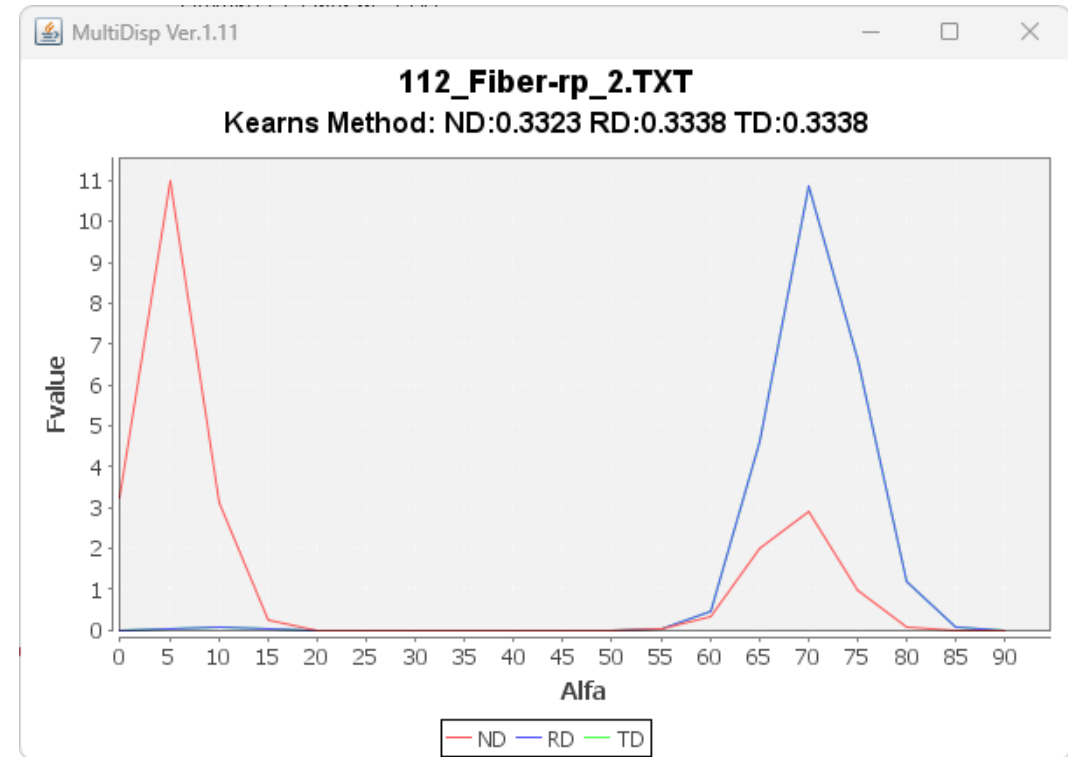
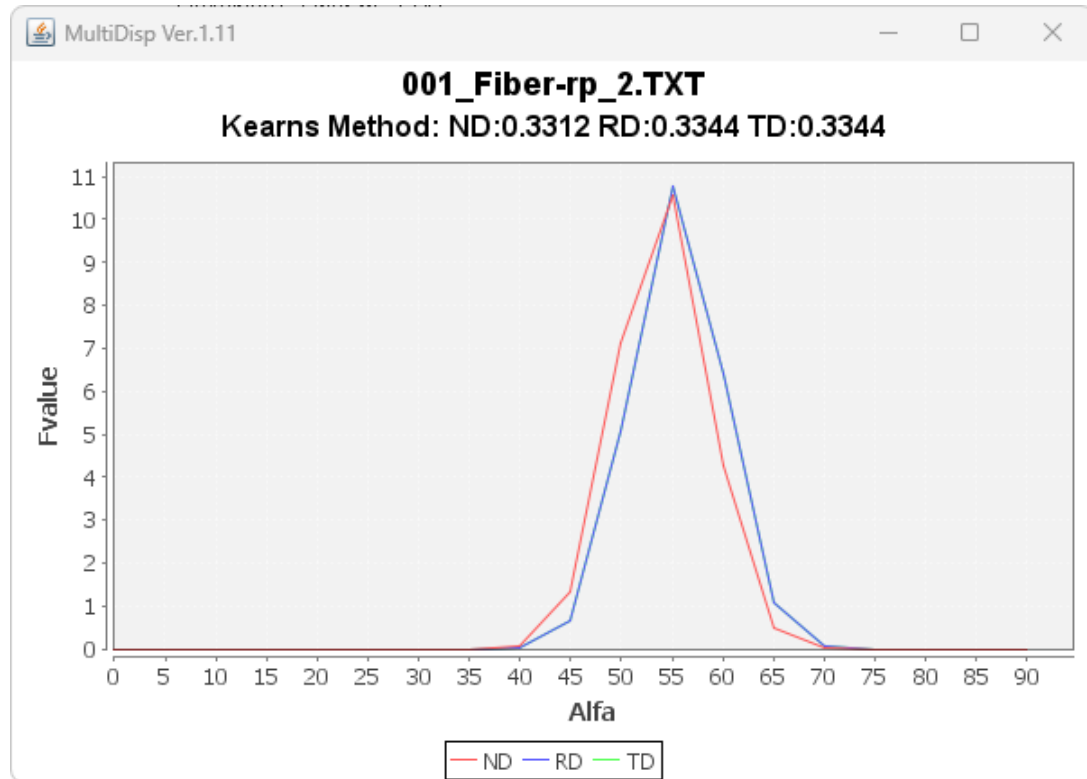
LD	TD	ND
0.3344	0.3344	0.3313
fL	fT	fN

Texture Index (F2) (normalized) 0.92323
("0" - Random, "1" - Monocrystal)

Calculate

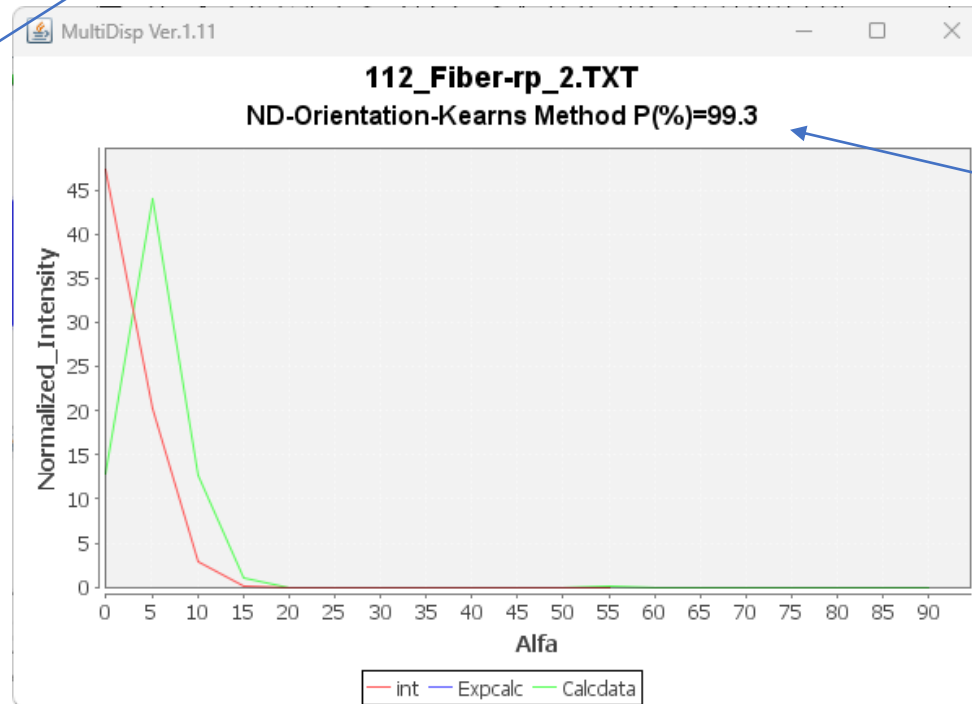
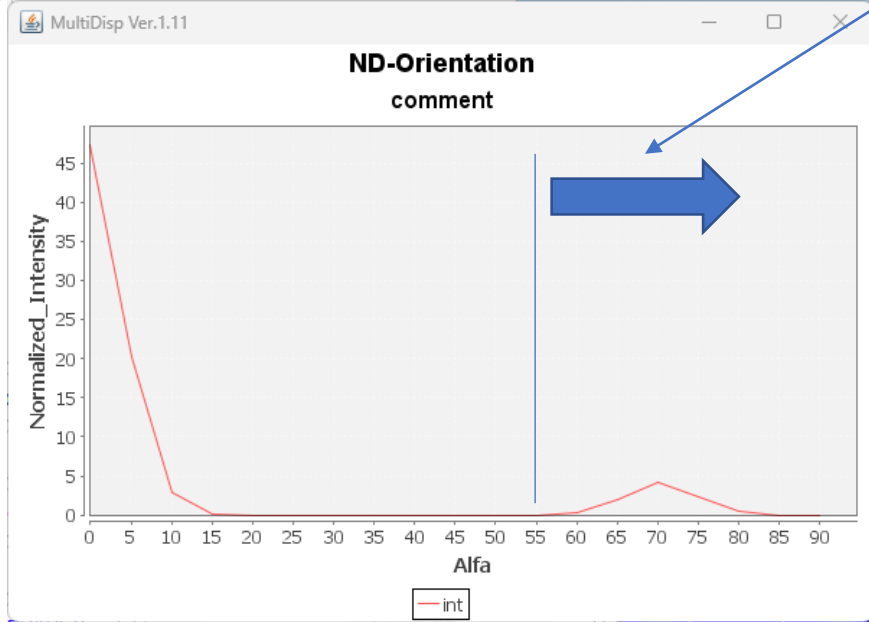
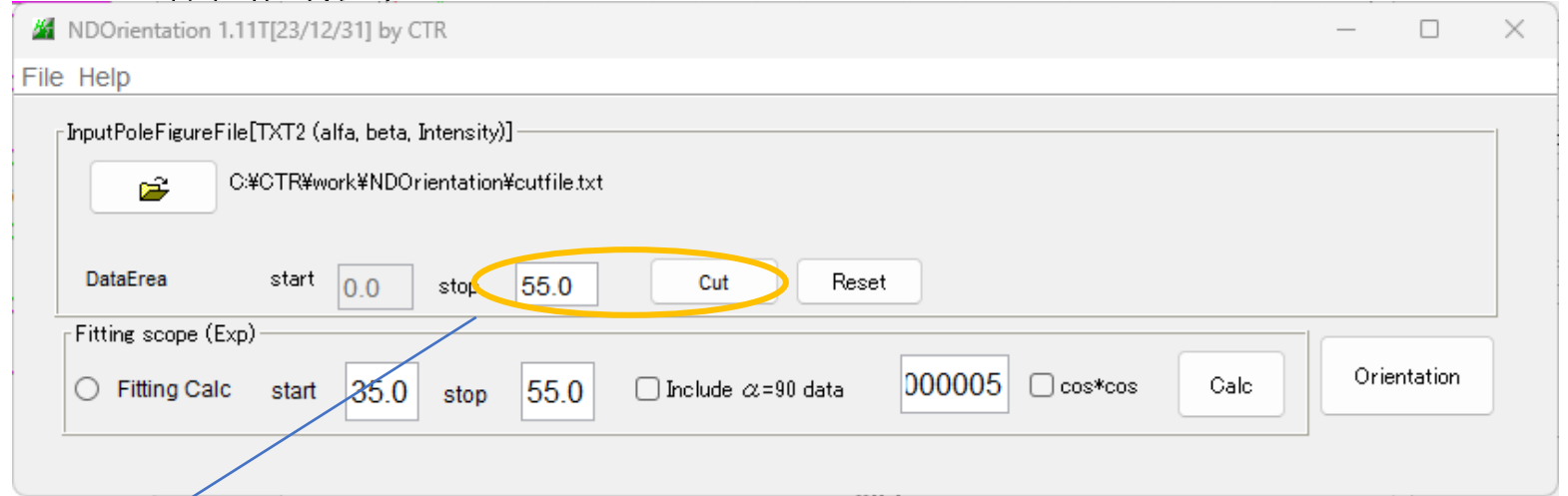
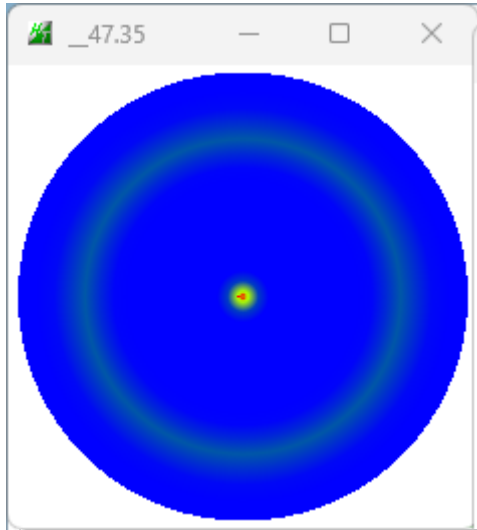
End

CuFeS₂<112>Fiberの配向関数



双方とも0.33で配向関数の評価は出来ない

考えられる<112>Fiberの評価法



リング部分をCutし
中心部分のみの評価

中心部分のFWHMで変化
Randomが含まれると低下