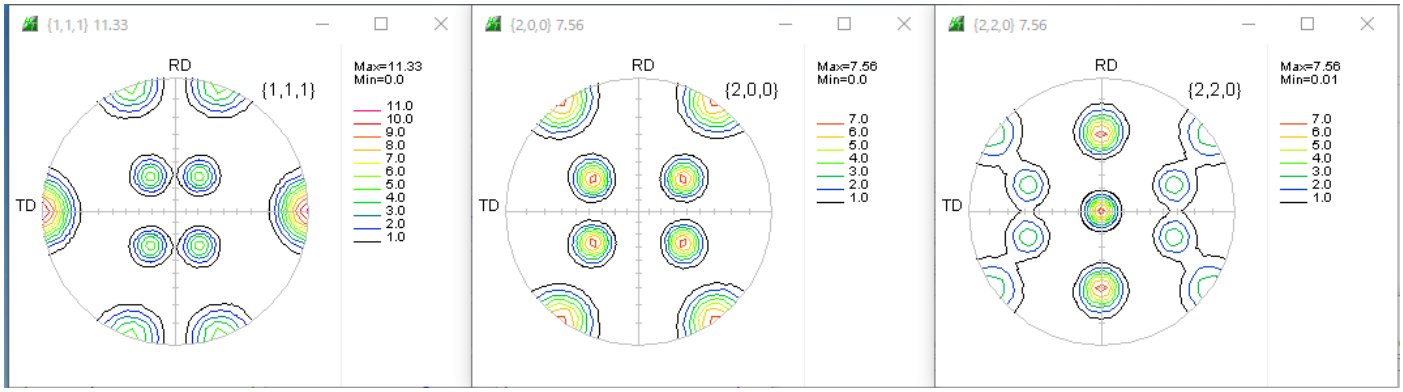
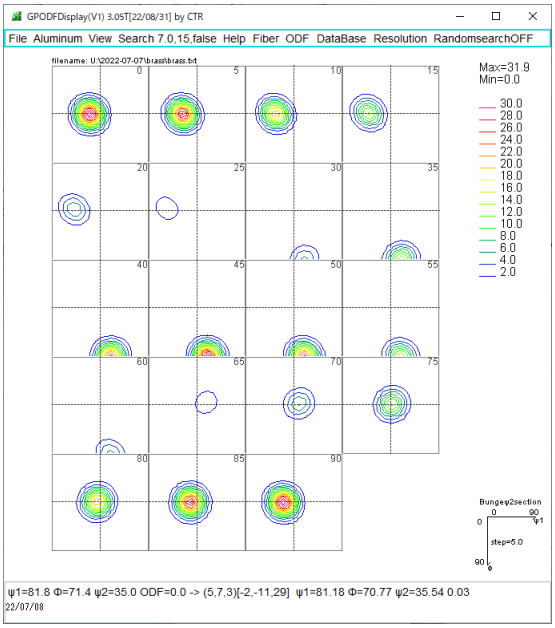
Ｂｒａｓｓ方位の特徴

Ｂｒａｓｓの極点図



ＯＤＦ解析結果



２０２２年０７月０８日

ＨｅｌｐｅｒＴｅｘ　Ｏｆｆｉｃｅ

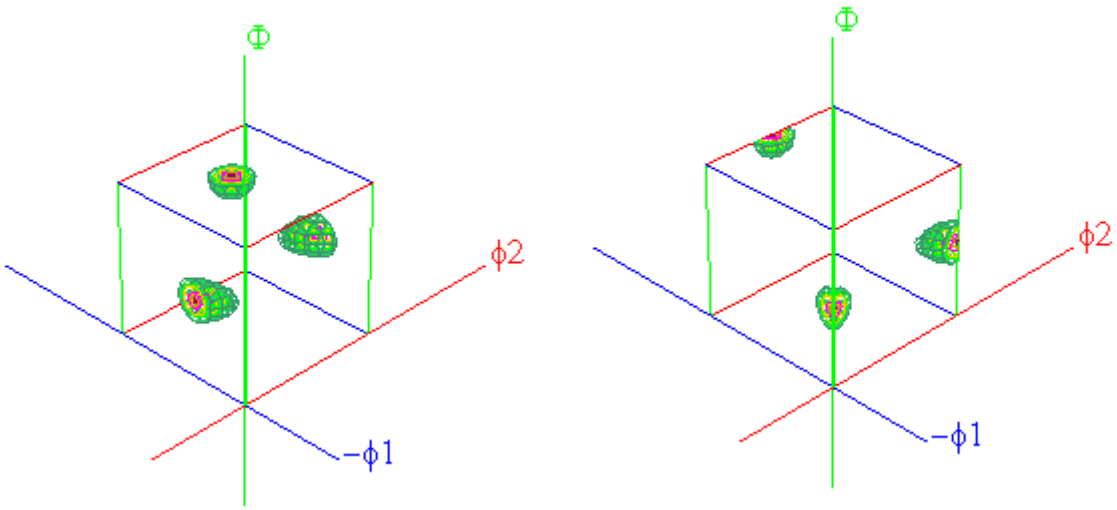
概要

ＯＤＦ解析結果のφ２断面を見ても、全体は判断し難い。

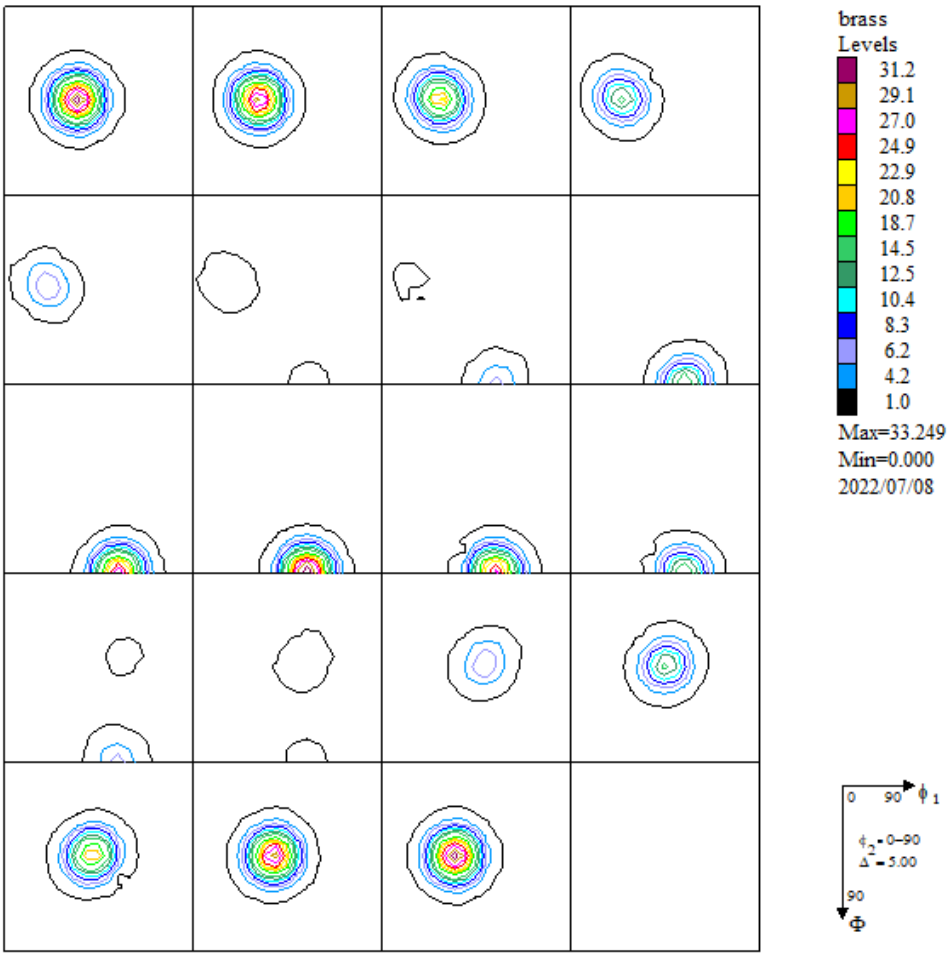
ＯＤＦのφ２断面を重ねると以下の３Ｄが得られる。

ＢｒａｓｓはＧｏｓｓに似ています。

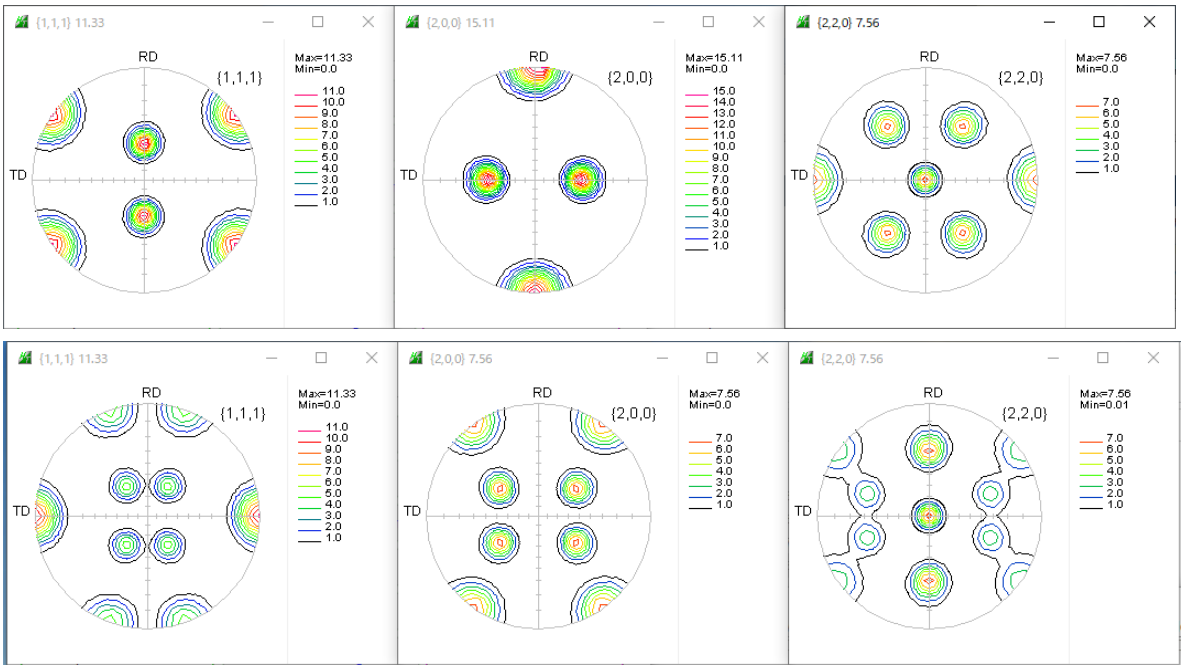
Ｂｒａｓｓ　　Ｇｏｓｓ



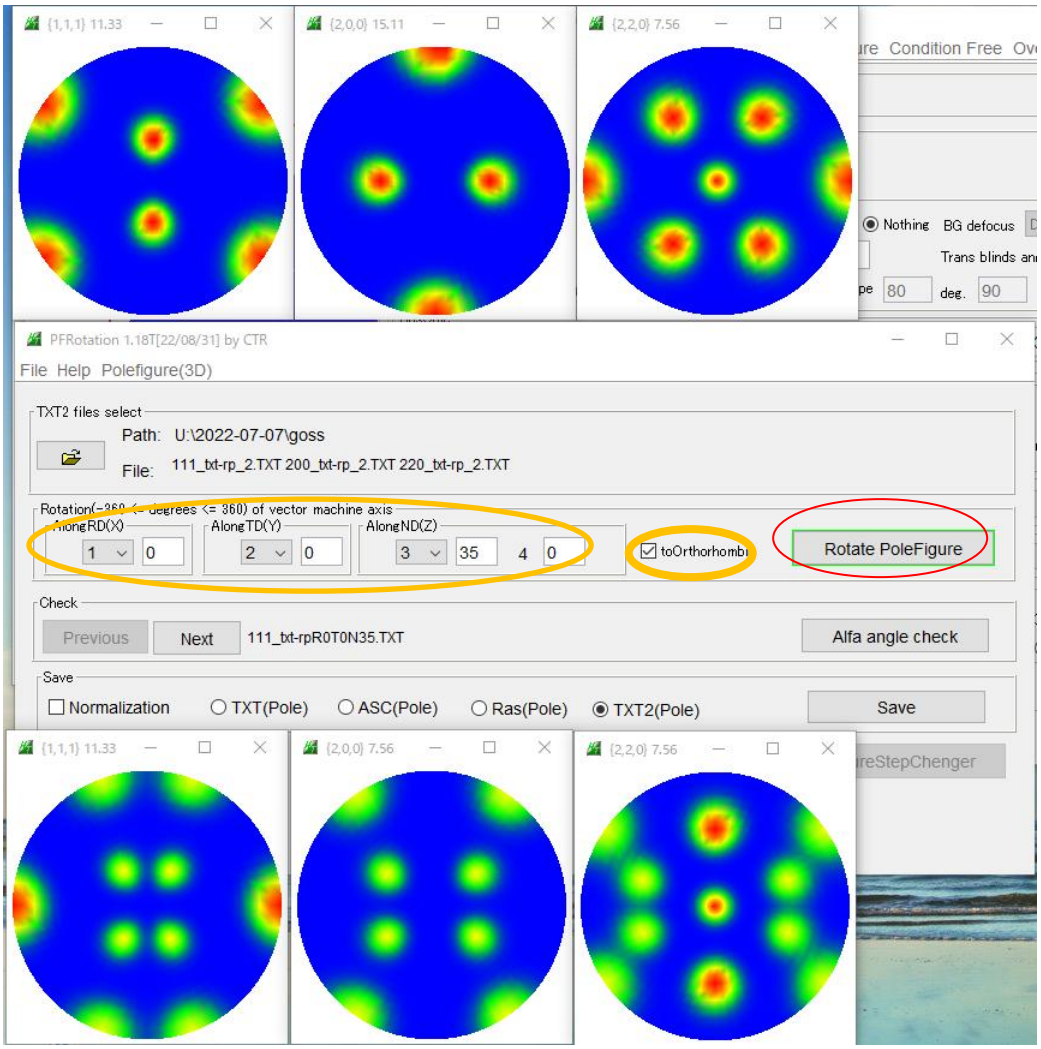
ＢｒａｓｓＯＤＦ



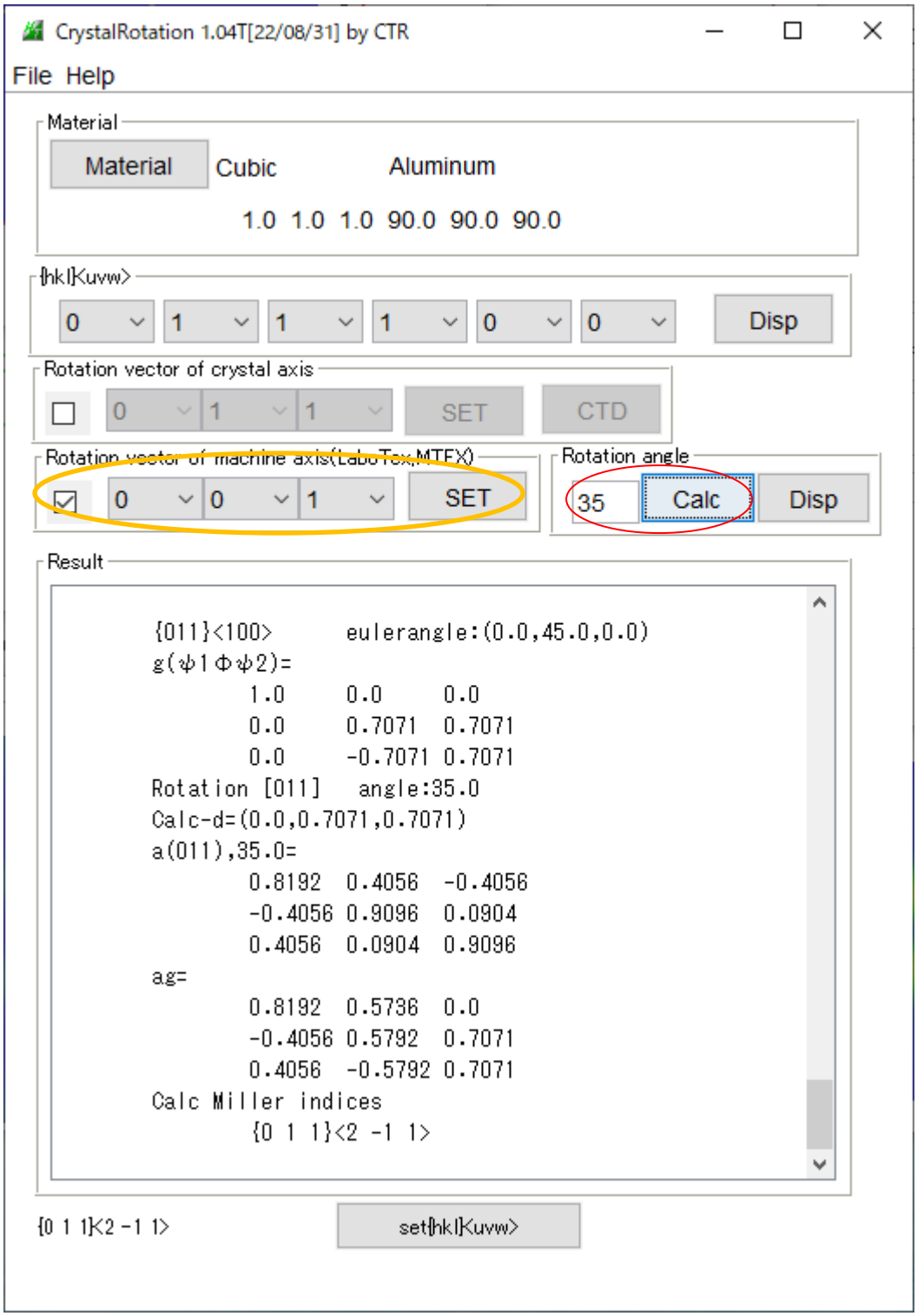
極点図をＧｏｓｓと比較

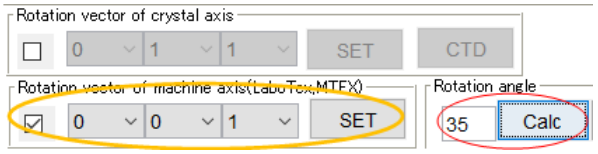


Ｇｏｓｓ方位からＮＤ軸（Ｚ）を３５度回転で得られます。（Ｏｒｔｈｏｒｈｏｍｂｉｃ）

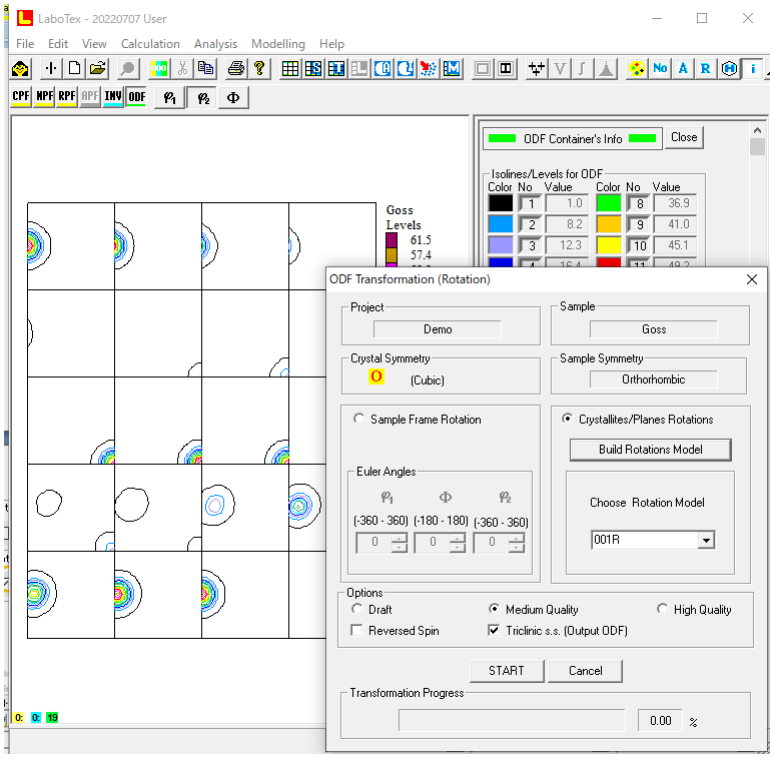


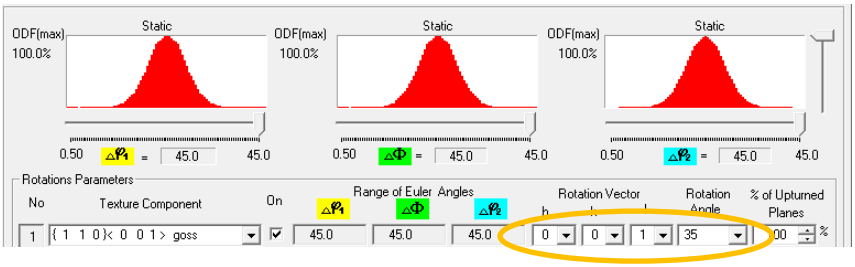
あるいは vector[001]を３５度回転

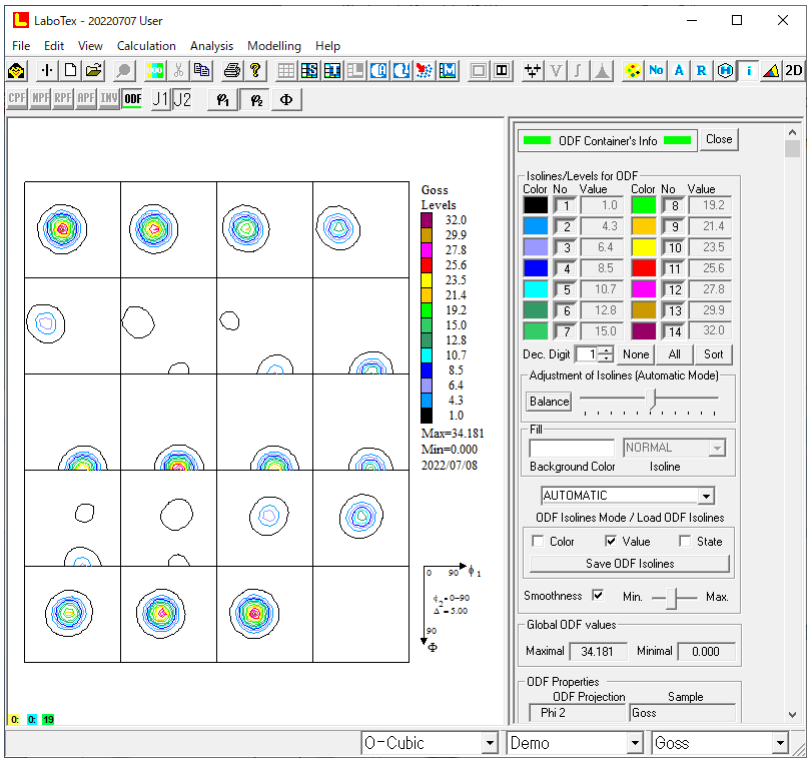



Rotation vector of crystal axis
0
1
1
SET
CTD
Rotation vector of machine axis(LaboTex,MTEX)
0
0
1
SET
Rotation angle
35
Calc

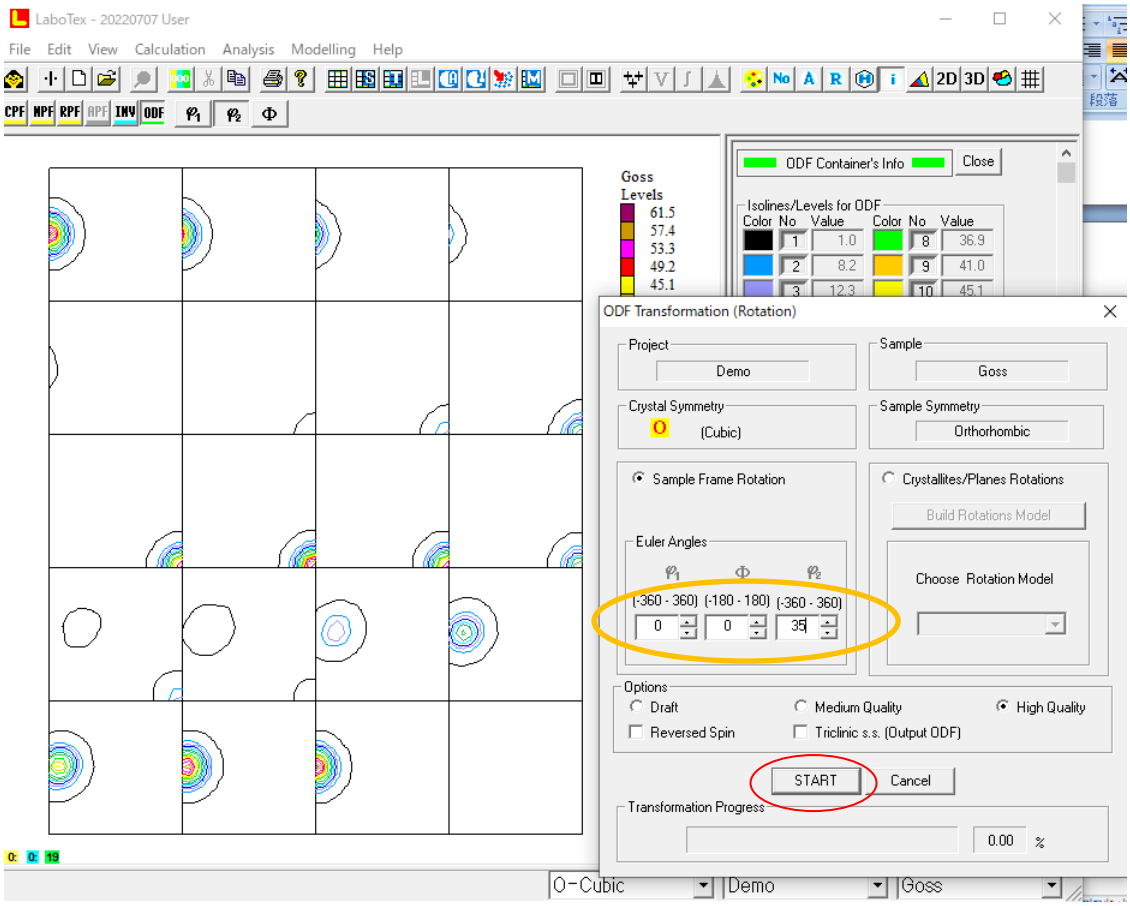
より

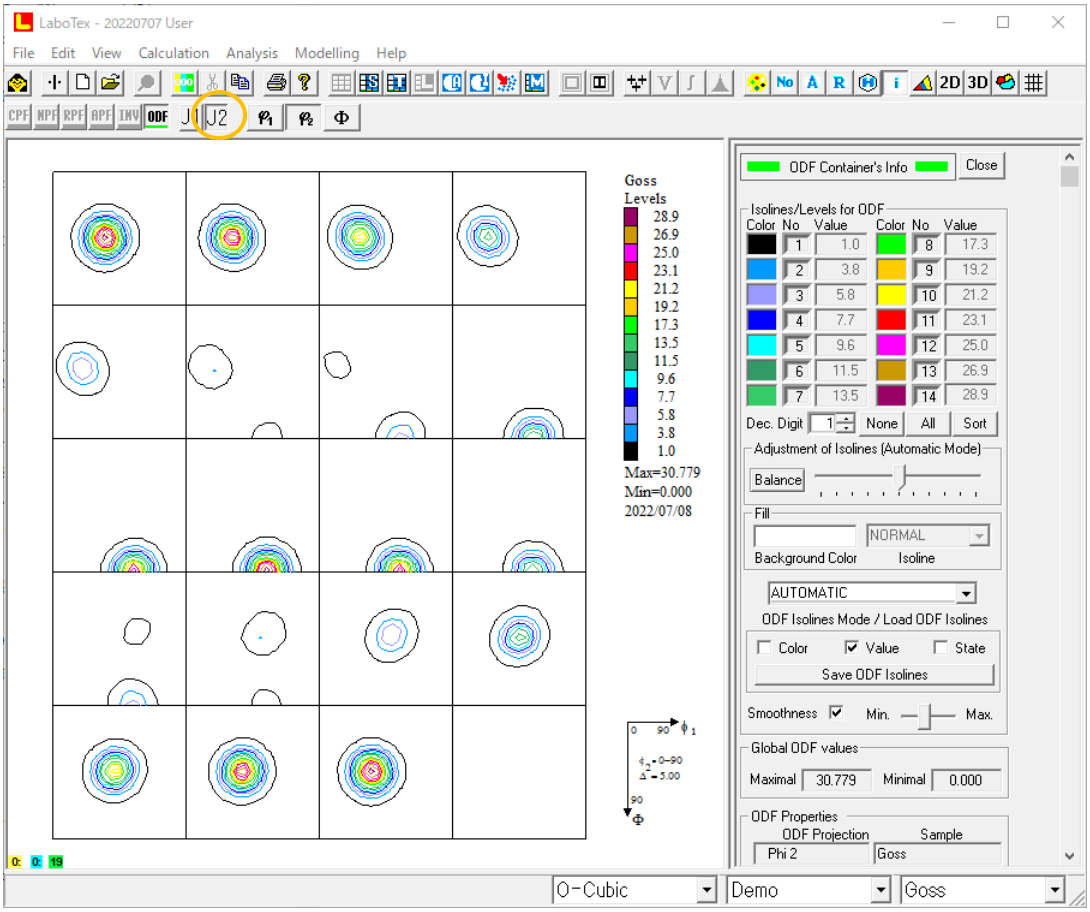

LaboTex - 20220707 User
File Edit View Calculation Analysis Modelling Help
ODF Container's Info
Close
Isolines/Levels for ODF
Goss
Levels
61.5
57.4
ODF Transformation (Rotation)
Project
Demo
Sample
Goss
Crystal Symmetry
(Cubic)
Sample Symmetry
Orthorhombic
Sample Frame Rotation
Crystallites/Planes Rotations
Build Rotations Model
Euler Angles
(-360 - 360)
(-180 - 180)
(-360 - 360)
Choose Rotation Model
001R
Options
Draft
Medium Quality
High Quality
Reversed Spin
Triclinic s.s. (Output ODF)
START
Cancel
Transformation Progress
0.00 %


ODF(max)
100.0%
Static
0.50
45.0
45.0
Rotations Parameters
No
Texture Component
On
Range of Euler Angles
Rotation Vector
Rotation Angle
% of Upturned Planes
{ 1 1 0 }< 0 0 1 > goss
45.0
45.0
45.0
0
0
1
35


LaboTex - 20220707 User
File Edit View Calculation Analysis Modelling Help
ODF Container's Info
Close
Isolines/Levels for ODF
Goss
Levels
32.0
29.9
27.8
25.6
23.5
21.4
19.2
15.0
12.8
10.7
8.5
6.4
4.3
1.0
Max=34.181
Min=0.000
2022/07/08
Dec. Digit
None
All
Sort
Adjustment of Isolines (Automatic Mode)
Balance
Fill
NORMAL
Background Color
Isoline
AUTOMATIC
ODF Isolines Mode / Load ODF Isolines
Color
Value
State
Save ODF Isolines
Smoothness
Min.
Max.
Global ODF values
Maximal
34.181
Minimal
0.000
ODF Properties
ODF Projection
Sample
Phi 2
Goss
O-Cubic
Demo
Goss

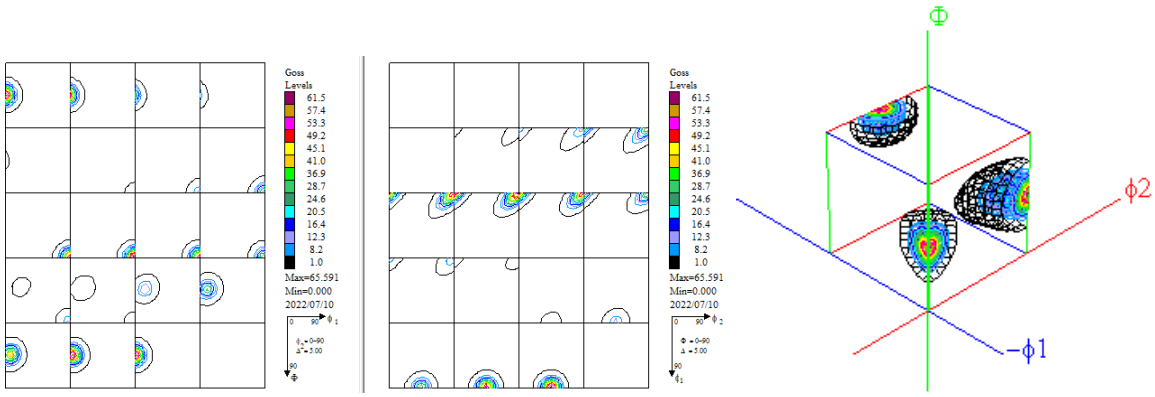
Ｇｏｓｓ ＯＤＦをφ２軸回転で得られます。



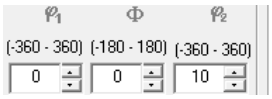


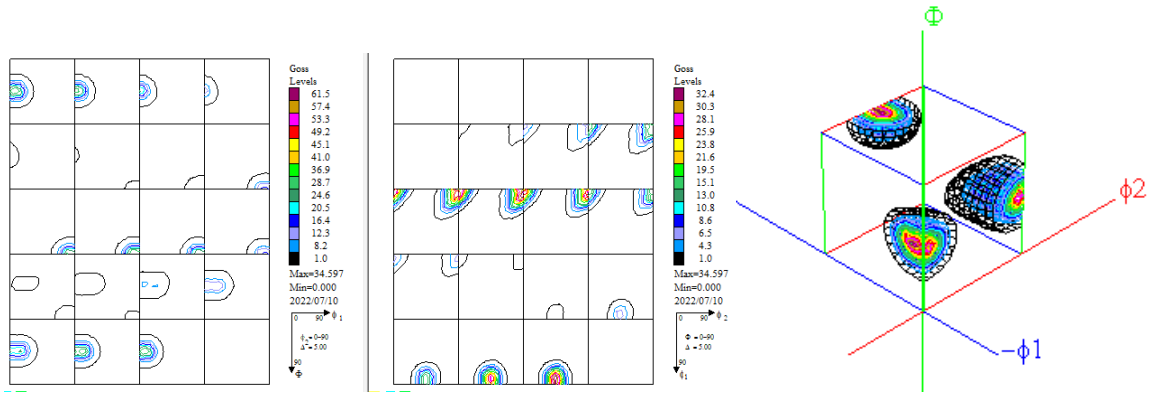
この回転は理解しやすい

Ｇｏｓｓ　　φ２断面　　Φ断面

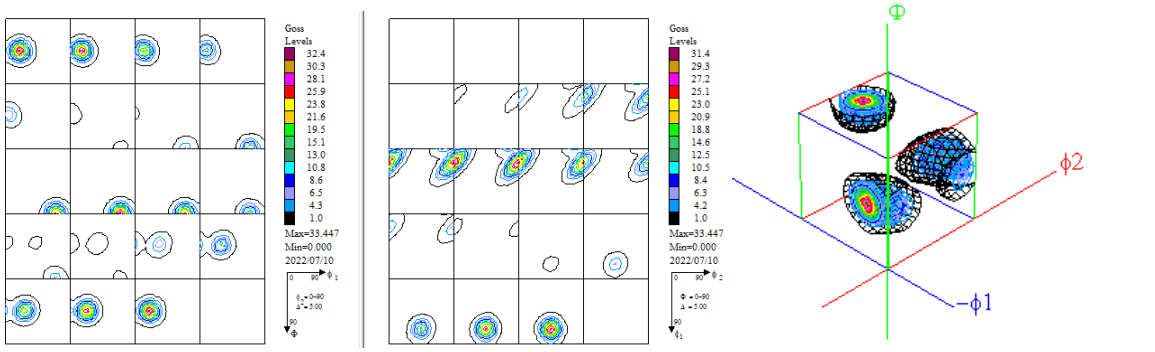


Ｇｏｓｓ

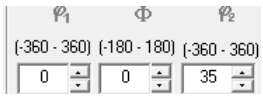




Ｇｏｓｓ



Ｇｏｓｓ



Ｂｒａｓｓ