Pre-multiplying correspondence matrix to Fp
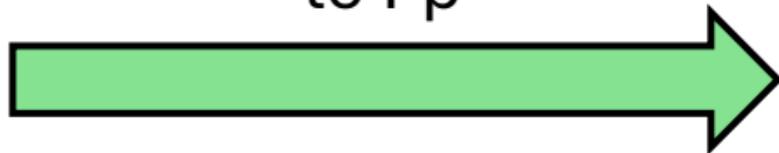
86.31^o rotation in 'a' axis of hex lattice.

Initial Orientation:
$\phi_1 = 17^o$,
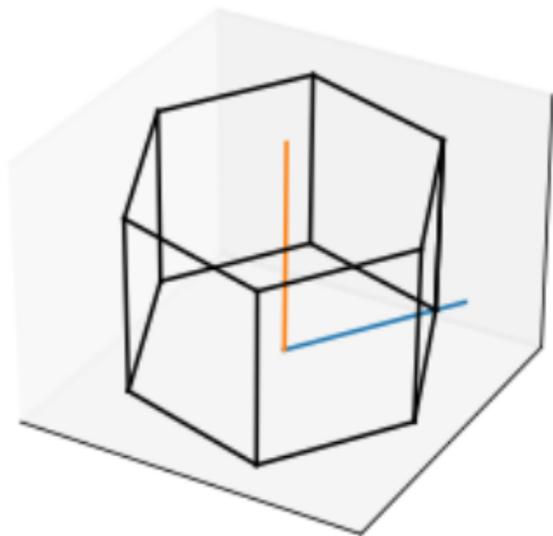$\phi = 92^o$,
$\phi_2 = 170^o$

After twinning:
$\phi_1 = 102.35^o$,
$\phi = 70.19^o$,
$\phi_2 = 333.46^o$