

## Per-file Report

File: Front\_EE1\_4\_3000x.tif

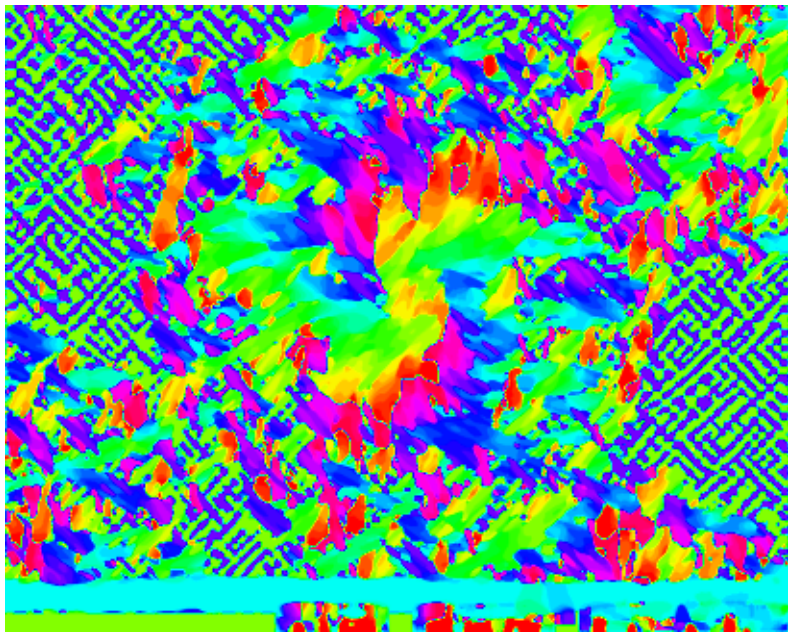
Pattern: Anticlockwise

n\_vectors: 163 | cw\_frac: 0.272 | acw\_frac: 0.728 | div\_frac: 1.000

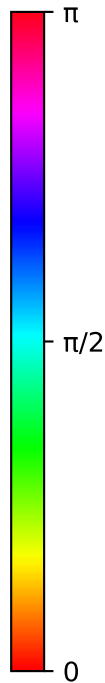
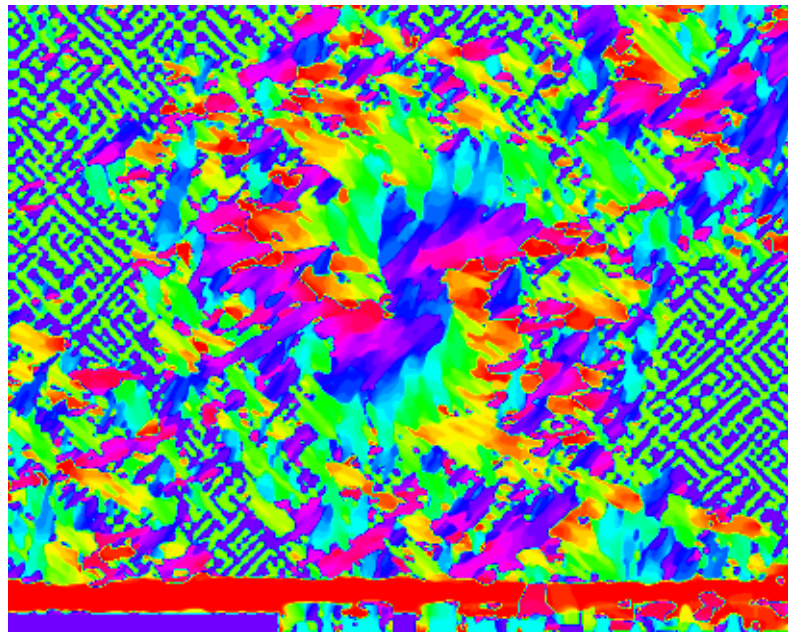
Rotation ( $\phi_{\perp \rightarrow \text{horizontal}}$ ): -39.90° | Center=(642,453)

# Gabor angle maps (original, not rotated)

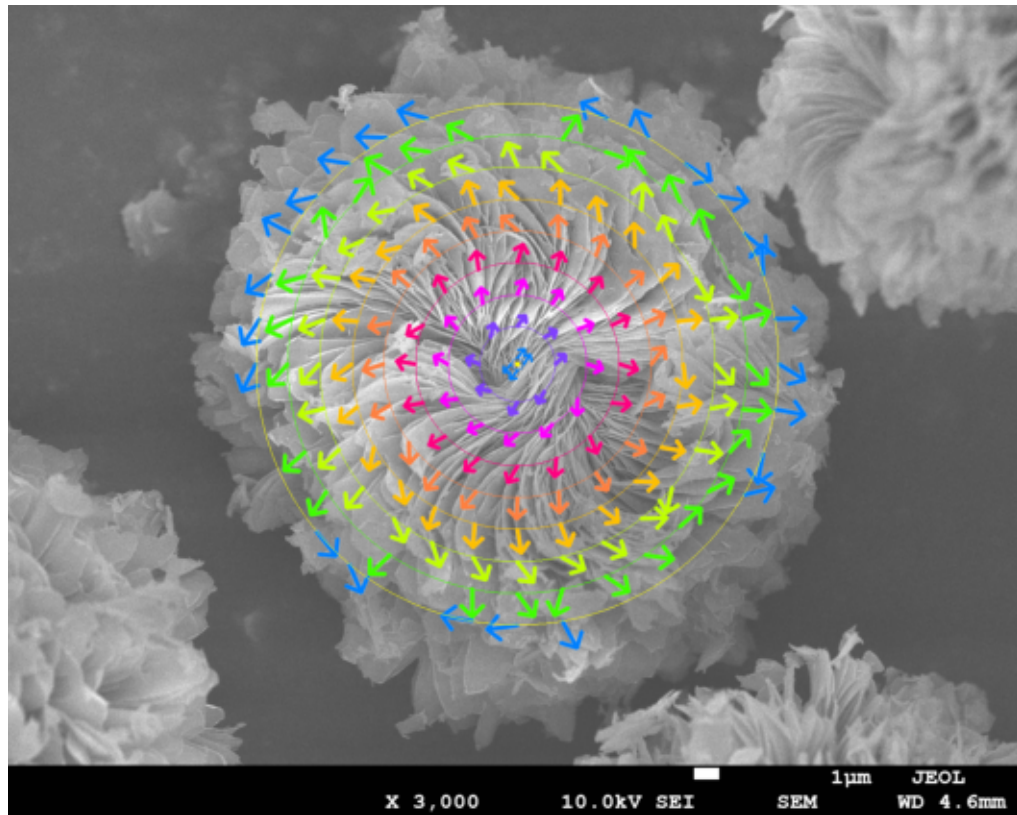
## Dominant Tangent (0→ $\pi$ )



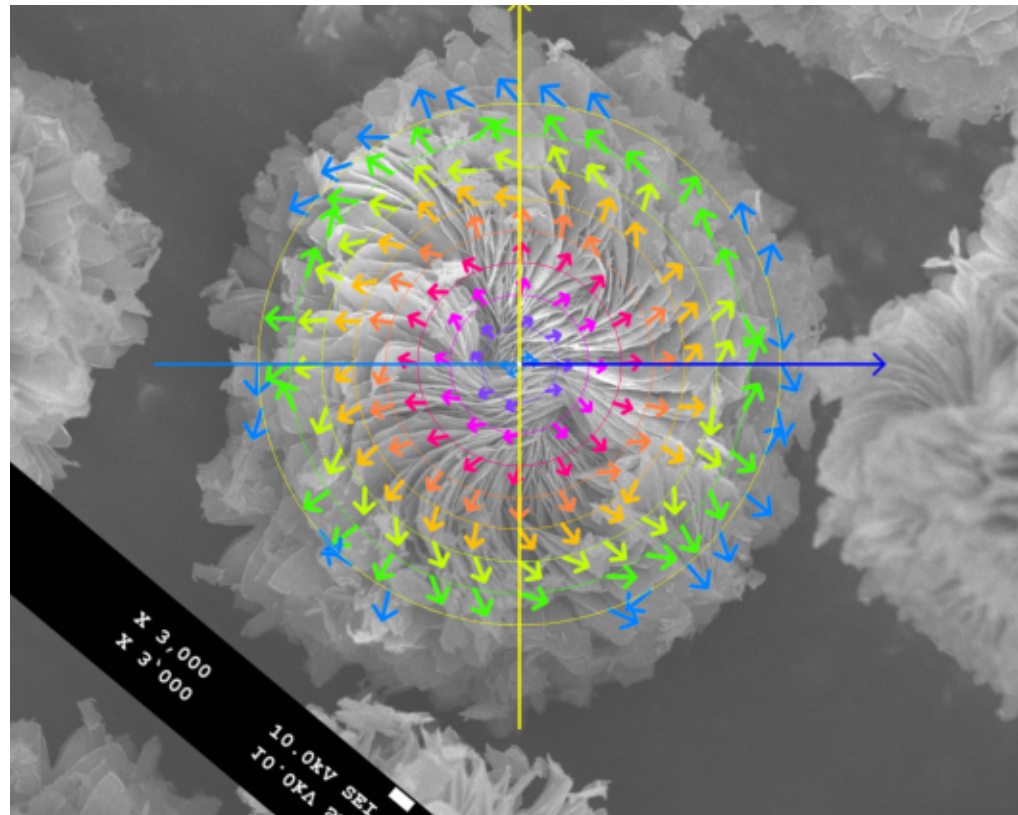
## Dominant Normal (0→ $\pi$ )



Before rotation



After rotation (Code A)  
(angle=-39.90°)



# Ring coordinates + Angle( $\alpha'$ ) + Pattern (page 1/6)

Ring	Coordinate	Angle ( $\alpha'$ )	Pattern
1	(8.00, 0.00)	15.09	Anticlockwise
1	(0.00, -8.00)	-73.78	Clockwise
1	(-8.00, 0.00)	7.37	Anticlockwise
1	(0.00, 8.00)	-82.08	Clockwise
2	(48.00, 0.00)	-9.10	Clockwise
2	(34.00, -34.00)	51.10	Anticlockwise
2	(0.00, -48.00)	-65.84	Clockwise
2	(-34.00, -34.00)	-26.19	Clockwise
2	(-48.00, 0.00)	-52.64	Clockwise
2	(-34.00, 34.00)	-6.87	Clockwise
2	(0.00, 48.00)	-58.63	Clockwise
2	(34.00, 34.00)	-34.65	Clockwise
3	(88.00, 0.00)	-11.90	Clockwise
3	(76.00, -44.00)	-17.49	Clockwise
3	(44.00, -76.00)	13.23	Anticlockwise
3	(0.00, -88.00)	-75.97	Clockwise
3	(-44.00, -76.00)	-53.07	Clockwise
3	(-76.00, -44.00)	-38.83	Clockwise
3	(-88.00, 0.00)	-31.39	Clockwise
3	(-76.00, 44.00)	-36.27	Clockwise
3	(-44.00, 76.00)	1.97	Anticlockwise
3	(0.00, 88.00)	-20.88	Clockwise
3	(44.00, 76.00)	-34.14	Clockwise
3	(76.00, 44.00)	-5.10	Clockwise
4	(129.00, 0.00)	7.77	Anticlockwise
4	(119.00, -49.00)	5.89	Anticlockwise
4	(91.00, -91.00)	-2.10	Clockwise
4	(49.00, -119.00)	7.54	Anticlockwise
4	(0.00, -129.00)	-21.39	Clockwise
4	(-49.00, -119.00)	-32.60	Clockwise

# Ring coordinates + Angle( $\alpha'$ ) + Pattern (page 2/6)

Ring	Coordinate	Angle ( $\alpha'$ )	Pattern
4	(-91.00, -91.00)	-34.84	Clockwise
4	(-119.00, -49.00)	-24.69	Clockwise
4	(-129.00, 0.00)	-17.74	Clockwise
4	(-119.00, 49.00)	-7.35	Clockwise
4	(-91.00, 91.00)	44.78	Anticlockwise
4	(-49.00, 119.00)	42.70	Anticlockwise
4	(0.00, 129.00)	-7.49	Clockwise
4	(49.00, 119.00)	-13.22	Clockwise
4	(91.00, 91.00)	11.99	Anticlockwise
4	(119.00, 49.00)	9.47	Anticlockwise
5	(169.00, 0.00)	14.60	Anticlockwise
5	(161.00, -52.00)	6.51	Anticlockwise
5	(137.00, -99.00)	39.34	Anticlockwise
5	(99.00, -137.00)	59.31	Anticlockwise
5	(52.00, -161.00)	12.00	Anticlockwise
5	(0.00, -169.00)	-2.27	Clockwise
5	(-52.00, -161.00)	-10.39	Clockwise
5	(-99.00, -137.00)	1.23	Anticlockwise
5	(-137.00, -99.00)	-17.97	Clockwise
5	(-161.00, -52.00)	-0.76	Clockwise
5	(-169.00, 0.00)	69.97	Anticlockwise
5	(-161.00, 52.00)	10.15	Anticlockwise
5	(-137.00, 99.00)	18.27	Anticlockwise
5	(-99.00, 137.00)	39.95	Anticlockwise
5	(-52.00, 161.00)	-4.97	Clockwise
5	(0.00, 169.00)	-12.07	Clockwise
5	(52.00, 161.00)	7.90	Anticlockwise
5	(99.00, 137.00)	61.28	Anticlockwise
5	(161.00, 52.00)	19.55	Anticlockwise
6	(209.00, 0.00)	53.17	Anticlockwise

# Ring coordinates + Angle( $\alpha'$ ) + Pattern (page 3/6)

Ring	Coordinate	Angle ( $\alpha'$ )	Pattern
6	(202.00, -54.00)	14.25	Anticlockwise
6	(181.00, -105.00)	-3.97	Clockwise
6	(148.00, -148.00)	-71.10	Clockwise
6	(104.00, -181.00)	30.67	Anticlockwise
6	(54.00, -202.00)	22.41	Anticlockwise
6	(0.00, -209.00)	36.66	Anticlockwise
6	(-54.00, -202.00)	5.45	Anticlockwise
6	(-104.00, -181.00)	16.89	Anticlockwise
6	(-148.00, -148.00)	5.48	Anticlockwise
6	(-181.00, -105.00)	14.21	Anticlockwise
6	(-202.00, -54.00)	15.66	Anticlockwise
6	(-209.00, 0.00)	44.58	Anticlockwise
6	(-202.00, 54.00)	14.44	Anticlockwise
6	(-181.00, 105.00)	41.58	Anticlockwise
6	(-148.00, 148.00)	31.75	Anticlockwise
6	(-105.00, 181.00)	14.60	Anticlockwise
6	(-54.00, 202.00)	35.16	Anticlockwise
6	(0.00, 209.00)	83.10	Anticlockwise
6	(54.00, 202.00)	25.10	Anticlockwise
6	(104.00, 181.00)	9.48	Anticlockwise
6	(148.00, 148.00)	48.79	Anticlockwise
6	(181.00, 105.00)	9.57	Anticlockwise
6	(202.00, 54.00)	31.49	Anticlockwise
7	(250.00, 0.00)	61.26	Anticlockwise
7	(244.00, -56.00)	-84.20	Clockwise
7	(225.00, -108.00)	-8.02	Clockwise
7	(195.00, -156.00)	-50.03	Clockwise
7	(156.00, -195.00)	23.38	Anticlockwise
7	(108.00, -225.00)	25.34	Anticlockwise
7	(56.00, -244.00)	56.13	Anticlockwise

# Ring coordinates + Angle( $\alpha'$ ) + Pattern (page 4/6)

Ring	Coordinate	Angle ( $\alpha'$ )	Pattern
7	(0.00, -250.00)	52.99	Anticlockwise
7	(-56.00, -244.00)	35.08	Anticlockwise
7	(-108.00, -225.00)	45.79	Anticlockwise
7	(-156.00, -195.00)	44.06	Anticlockwise
7	(-195.00, -156.00)	48.86	Anticlockwise
7	(-225.00, -108.00)	38.69	Anticlockwise
7	(-244.00, -56.00)	58.32	Anticlockwise
7	(-250.00, 0.00)	12.46	Anticlockwise
7	(-244.00, 56.00)	17.39	Anticlockwise
7	(-225.00, 108.00)	2.85	Anticlockwise
7	(-195.00, 156.00)	51.90	Anticlockwise
7	(-156.00, 195.00)	35.29	Anticlockwise
7	(-108.00, 225.00)	17.88	Anticlockwise
7	(-56.00, 244.00)	77.31	Anticlockwise
7	(0.00, 250.00)	66.23	Anticlockwise
7	(56.00, 244.00)	36.32	Anticlockwise
7	(108.00, 225.00)	63.55	Anticlockwise
7	(156.00, 195.00)	22.86	Anticlockwise
7	(244.00, 56.00)	28.40	Anticlockwise
8	(290.00, 0.00)	71.03	Anticlockwise
8	(284.00, -57.00)	72.66	Anticlockwise
8	(268.00, -111.00)	-17.07	Clockwise
8	(241.00, -161.00)	-34.59	Clockwise
8	(205.00, -205.00)	-16.56	Clockwise
8	(161.00, -241.00)	48.38	Anticlockwise
8	(111.00, -268.00)	65.63	Anticlockwise
8	(0.00, -290.00)	73.76	Anticlockwise
8	(-57.00, -284.00)	35.85	Anticlockwise
8	(-111.00, -268.00)	43.60	Anticlockwise
8	(-161.00, -241.00)	4.29	Anticlockwise

# Ring coordinates + Angle( $\alpha'$ ) + Pattern (page 5/6)

Ring	Coordinate	Angle ( $\alpha'$ )	Pattern
8	(-205.00, -205.00)	-8.60	Clockwise
8	(-241.00, -161.00)	0.91	Anticlockwise
8	(-284.00, -57.00)	-76.59	Clockwise
8	(-290.00, 0.00)	37.69	Anticlockwise
8	(-284.00, 57.00)	9.15	Anticlockwise
8	(-268.00, 111.00)	-83.99	Clockwise
8	(-241.00, 161.00)	-65.99	Clockwise
8	(-205.00, 205.00)	38.47	Anticlockwise
8	(-161.00, 241.00)	25.95	Anticlockwise
8	(-111.00, 268.00)	12.88	Anticlockwise
8	(-57.00, 284.00)	-61.04	Clockwise
8	(0.00, 290.00)	73.55	Anticlockwise
8	(57.00, 284.00)	47.62	Anticlockwise
8	(111.00, 268.00)	67.12	Anticlockwise
8	(161.00, 241.00)	77.56	Anticlockwise
8	(205.00, 205.00)	13.10	Anticlockwise
8	(241.00, 161.00)	76.71	Anticlockwise
8	(268.00, 111.00)	85.65	Anticlockwise
8	(284.00, 57.00)	-70.39	Clockwise
9	(330.00, 0.00)	-60.52	Clockwise
9	(325.00, -57.00)	-66.02	Clockwise
9	(310.00, -113.00)	76.67	Anticlockwise
9	(286.00, -165.00)	-8.78	Clockwise
9	(253.00, -212.00)	-32.01	Clockwise
9	(212.00, -253.00)	0.78	Anticlockwise
9	(165.00, -286.00)	-80.87	Clockwise
9	(113.00, -310.00)	45.21	Anticlockwise
9	(-165.00, -286.00)	17.29	Anticlockwise
9	(-212.00, -253.00)	-82.14	Clockwise
9	(-252.00, -211.00)	88.91	Anticlockwise



# Ring coordinates + Angle( $\alpha'$ ) + Pattern (page 6/6)

Ring	Coordinate	Angle ( $\alpha'$ )	Pattern
9	(-325.00, -57.00)	62.93	Anticlockwise
9	(-330.00, 0.00)	86.79	Anticlockwise
9	(-253.00, 212.00)	64.31	Anticlockwise
9	(-212.00, 253.00)	67.46	Anticlockwise
9	(-165.00, 286.00)	58.15	Anticlockwise
9	(-113.00, 310.00)	0.42	Anticlockwise
9	(-57.00, 325.00)	51.91	Anticlockwise
9	(0.00, 330.00)	40.82	Anticlockwise
9	(57.00, 325.00)	58.90	Anticlockwise
9	(113.00, 310.00)	54.95	Anticlockwise
9	(286.00, 165.00)	70.38	Anticlockwise
9	(310.00, 113.00)	55.72	Anticlockwise
9	(325.00, 57.00)	-87.12	Clockwise
SUMMARY	n_vectors=163	nan	Anticlockwise