

Star number : 1

No. of tracks    total number of divisions in Z scale    least count of Z scale in mm

14

50

0.002

Readings for tracks:

Track	X in mm	Y in mm	Z scale	no. of rotations	direction of
No.			reading		rotation
Origin	99.4	8.2	4	-	-
1	99.4	8.5	49	0	1
2	99.5	8.1	5	0	0
3	99.3	8.7	48	0	1
4	99.4	8.3	44	0	1
5	99.5	8.1	42	0	1
6	99.5	8.1	47	0	1
7	99.6	8.2	5	0	0
8	100.7	8.1	45	0	1
9	99.5	8.2	10	0	0
10	99.4	8.2	49	0	1
11	99.4	8.0	3	1	1
12	99.5	8.2	8	0	0
13	99.4	8.2	27	0	0
14	99.5	8.4	39	0	0

N.B. :: Here in case of direction of rotation, '0' means clockwise rotation

'1' means anti-clockwise rotation

Star number : 2

No. of tracks	total number of divisions in Z scale	least count of Z scale in mm
11	200	0.001

Readings for tracks:

Track No.	X in mm	Y in mm	Z scale reading	no. of rotations	direction of rotation
Origin	64.2	127.5	82	-	-
1	64.2	127.4	60	0	1
2	63.7	127.7	10	0	1
3	64.1	127.5	78	0	1
4	64.3	127.6	94	0	0
5	64.3	127.5	92	0	0
6	64.5	127.6	86	0	0
7	64.6	127.4	120	0	1
8	64.4	127.4	72	0	1
9	64.3	127.3	94	0	0
10	64.3	127.2	58	0	1
11	64.1	127.4	92	0	0

N.B. :: Here in case of direction of rotation, '0' means clockwise rotation

'1' means anti-clockwise rotation

Star number : 3

No. of tracks	total number of divisions in Z scale	least count of Z scale in mm
14	50	0.002

Readings for tracks:

Track No.	X in mm	Y in mm	Z scale reading	no. of rotations	direction of rotation
Origin	112.8	10.7	13	-	-
1	112.9	10.7	14	0	1
2	112.9	10.7	13	0	0
3	112.8	10.6	26	0	1
4	112.8	10.6	4	0	0
5	112.7	10.5	15	0	1
6	112.5	10.3	2	0	1
7	112.6	10.8	36	0	1
8	112.6	10.8	7	0	0
9	112.8	10.7	5	0	0
10	112.8	10.7	9	0	0
11	112.7	10.8	10	0	0
12	112.8	10.7	13	0	0
13	116.6	11.9	25	0	1
14	113.2	10.6	7	0	0

N.B. :: Here in case of direction of rotation, '0' means clockwise rotation  
'1' means anti-clockwise rotation

Star number : 4

No. of tracks    total number of divisions in Z scale    least count of Z scale in mm

12

50

0.002

Readings for tracks:

Track No.	X in mm	Y in mm	Z scale reading	no. of rotations	direction of rotation
Origin	97.8	7.1	45	-	-
1	98.0	7.1	36	0	1
2	98.2	7.5	40	0	1
3	97.8	7.1	45	0	0
4	97.8	7.4	40	0	1
5	97.7	8.0	47	0	0
6	97.8	7.1	42	0	1
7	96.6	7.8	36	0	1
8	97.5	7.3	37	0	1
9	97.6	7.3	33	0	0
10	98.2	6.1	49	0	0
11	97.8	7.1	40	0	1
12	98.4	7.1	14	0	0

N.B. :: Here in case of direction of rotation, '0' means clockwise rotation

'1' means anti-clockwise rotation

Star number : 5

No. of tracks	total number of divisions in Z scale	least count of Z scale in mm
16	200	0.001

Readings for tracks:

Track No.	X in mm	Y in mm	Z scale reading	no. of rotations	direction of rotation
Origin	71.8	109.3	22	-	-
1	71.7	109.3	20	0	1
2	71.4	108.9	52	0	0
3	71.8	109.1	192	0	1
4	72.0	109.1	142	0	0
5	71.6	109.4	26	0	0
6	72.0	109.0	186	0	1
7	72.3	109.0	192	0	1
8	72.7	108.9	138	0	0
9	72.5	109.3	142	0	0
10	73.4	109.4	180	0	1
11	71.9	109.3	18	0	1
12	71.8	109.4	186	0	1
13	71.8	109.2	36	0	0
14	69.8	110.5	128	0	0
15	71.3	109.5	144	0	0
16	71.7	109.4	190	0	1

N.B. :: Here in case of direction of rotation, '0' means clockwise rotation

'1' means anti-clockwise rotation

Star number : 6

No. of tracks	total number of divisions in Z scale	least count of Z scale in mm
18	50	0.002

Readings for tracks:

Track No.	X in mm	Y in mm	Z scale reading	no. of rotations	direction of rotation
Origin	84.7	10.2	24	-	-
1	84.7	10.3	21	0	0
2	84.7	10.2	23	0	0
3	84.7	10.2	14	0	0
4	84.6	10.2	14	0	0
5	84.6	10.1	14	0	0
6	84.6	10.2	16	0	0
7	84.6	10.2	23	0	0
8	84.2	10.4	29	0	0
9	84.6	10.4	26	0	1
10	84.0	10.9	41	0	1
11	83.4	13.0	35	0	1
12	84.7	11.2	19	0	0
13	85.0	11.0	50	0	1
14	84.8	10.5	15	0	0
15	84.7	10.3	26	0	1
16	84.7	10.4	26	0	1
17	84.8	10.3	21	0	0
18	84.8	10.2	25	0	1

N.B. :: Here in case of direction of rotation,

'0' means clockwise rotation

'1' means anti-clockwise rotation

Star number : 7

No. of tracks	total number of divisions in Z scale	least count of Z scale in mm
11	50	0.002

Readings for tracks:

Track No.	X in mm	Y in mm	Z scale reading	no. of rotations	direction of rotation
Origin	94.7	21.4	35	-	-
1	94.7	21.7	33	0	1
2	94.9	21.8	42	0	0
3	95.2	21.9	3	0	0
4	94.8	21.5	41	0	0
5	95.1	21.7	21	0	0
6	95.6	21.9	18	0	1
7	94.6	20.7	9	0	1
8	94.6	21.2	16	0	1
9	94.0	20.5	1	0	0
10	94.3	21.8	42	0	0
11	94.6	21.9	17	0	0

N.B. :: Here in case of direction of rotation, '0' means clockwise rotation  
'1' means anti-clockwise rotation



Star number : 8

No. of tracks	total number of divisions in Z scale	least count of Z scale in mm
14	200	0.002

Readings for tracks:

Track	X in mm	Y in mm	Z scale	no. of rotations	direction of
No.			reading		rotation
Origin	71.2	119.3	104	-	-
1	71.0	118.9	74	0	0
2	71.1	118.8	130	0	1
3	70.8	118.3	182	0	0
4	71.2	119.1	106	0	1
5	71.4	118.3	104	0	0
6	71.3	118.1	118	0	1
7	71.4	119.2	104	0	0
8	71.7	119.8	56	0	0
9	71.1	119.1	102	0	0
10	71.2	119.2	110	0	1
11	71.1	119.3	60	0	0
12	71.1	119.5	142	0	0
13	69.1	121.0	64	0	0
14	71.0	119.1	138	0	1

N.B. :: Here in case of direction of rotation, '0' means clockwise rotation  
'1' means anti-clockwise rotation



Star number : 9

No. of tracks	total number of divisions in Z scale	least count of Z scale in mm
11	200	0.001

**Readings for tracks:**

Track No.	X in mm	Y in mm	Z scale reading	no. of rotations	direction of rotation
Origin	62.6	99.4	6	-	-
1	62.5	99.0	60	0	1
2	62.3	99.0	18	0	1
3	62.4	99.5	190	0	0
4	62.5	99.7	22	0	1
5	62.7	99.5	0	0	0
6	62.6	99.9	176	0	0
7	62.6	99.4	2	0	0
8	62.8	99.7	198	0	0
9	62.8	99.3	186	0	0
10	62.7	99.2	170	0	0
11	62.7	99.7	10	0	1

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Star number : 10

No. of tracks	total number of divisions in Z scale	least count of Z scale in mm
15	50	0.002

Readings for tracks:

Track No.	X in mm	Y in mm	Z scale reading	no. of rotations	direction of rotation
Origin	104.9	6.0	39	-	-
1	104.5	5.9	41	0	1
2	104.8	6.2	41	0	1
3	105.2	6.4	3	0	1
4	105.0	6.0	44	0	1
5	105.3	6.3	3	0	1
6	106.2	6.6	25	0	1
7	105.8	6.2	34	0	0
8	104.9	6.1	38	0	0
9	105.2	3.4	1	0	1
10	104.9	6.0	31	0	0
11	104.8	5.8	21	0	1
12	103.2	4.5	34	0	1
13	105.1	4.7	38	0	0
14	104.6	6.2	33	0	0
15	104.7	6.2	43	0	1

N.B. :: Here in case of direction of rotation, '0' means clockwise rotation  
'1' means anti-clockwise rotation

Star number : 11

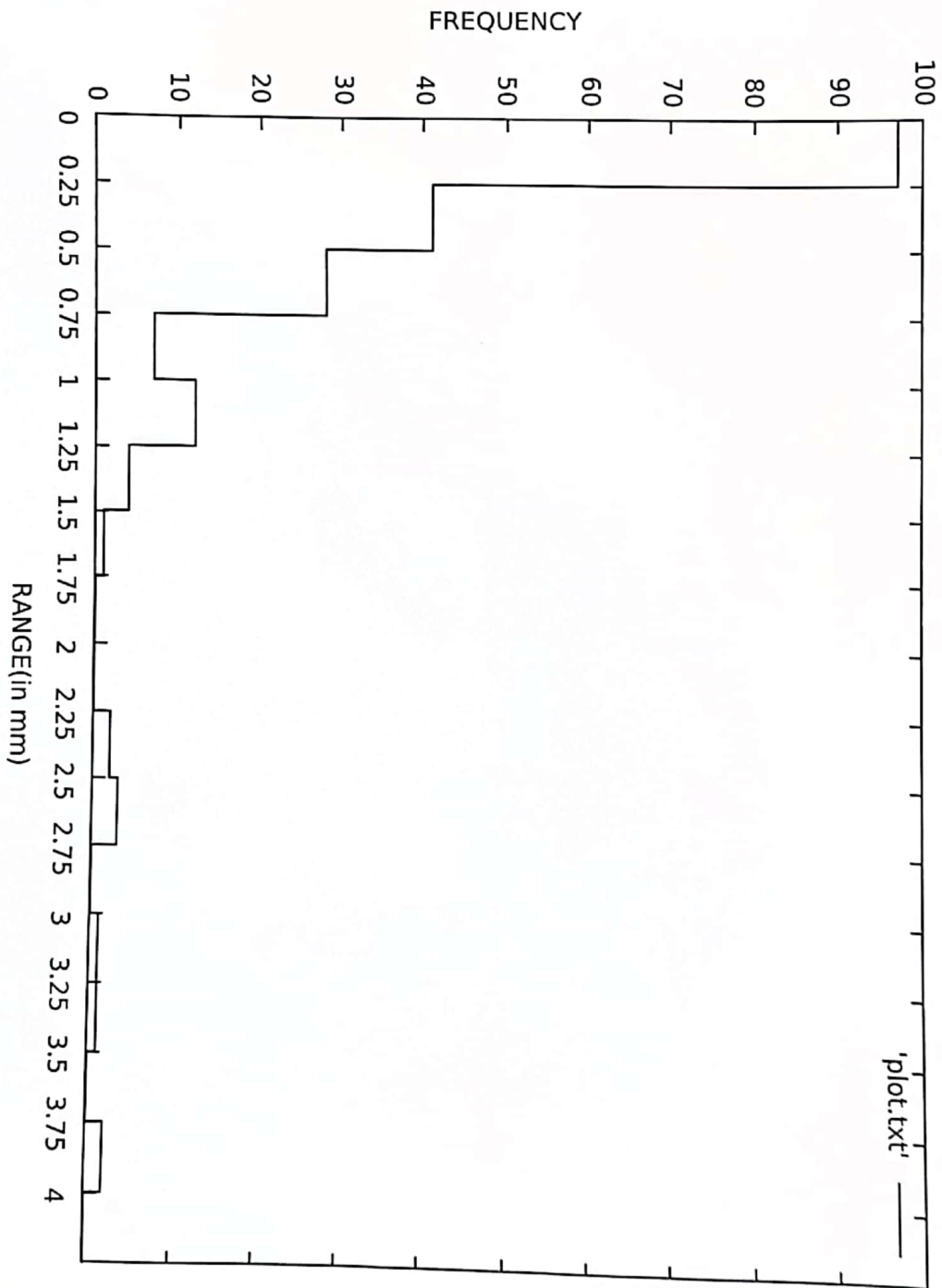
No. of tracks	total number of divisions in Z scale	least count of Z scale in mm
13	50	0.002

Readings for tracks:

Track No.	X in mm	Y in mm	Z scale reading	no. of rotations	direction of rotation
Origin	110.9	6.3	36	-	-
1	110.7	6.5	38	0	1
2	110.7	6.4	38	0	1
3	110.8	6.4	38	0	1
4	110.8	6.7	46	0	1
5	111.0	6.7	34	0	0
6	111.0	6.3	33	0	0
7	110.8	6.4	32	0	0
8	111.3	5.9	19	0	1
9	110.8	6.4	43	0	1
10	110.8	6.5	35	0	0
11	110.5	5.9	32	0	1
12	110.7	6.1	43	0	1
13	110.7	6.3	14	0	1

N.B. :: Here in case of direction of rotation, '0' means clockwise rotation  
'1' means anti-clockwise rotation

Distribution Of Range



∴ RANGE DISTRIBUTION TABLE ∴

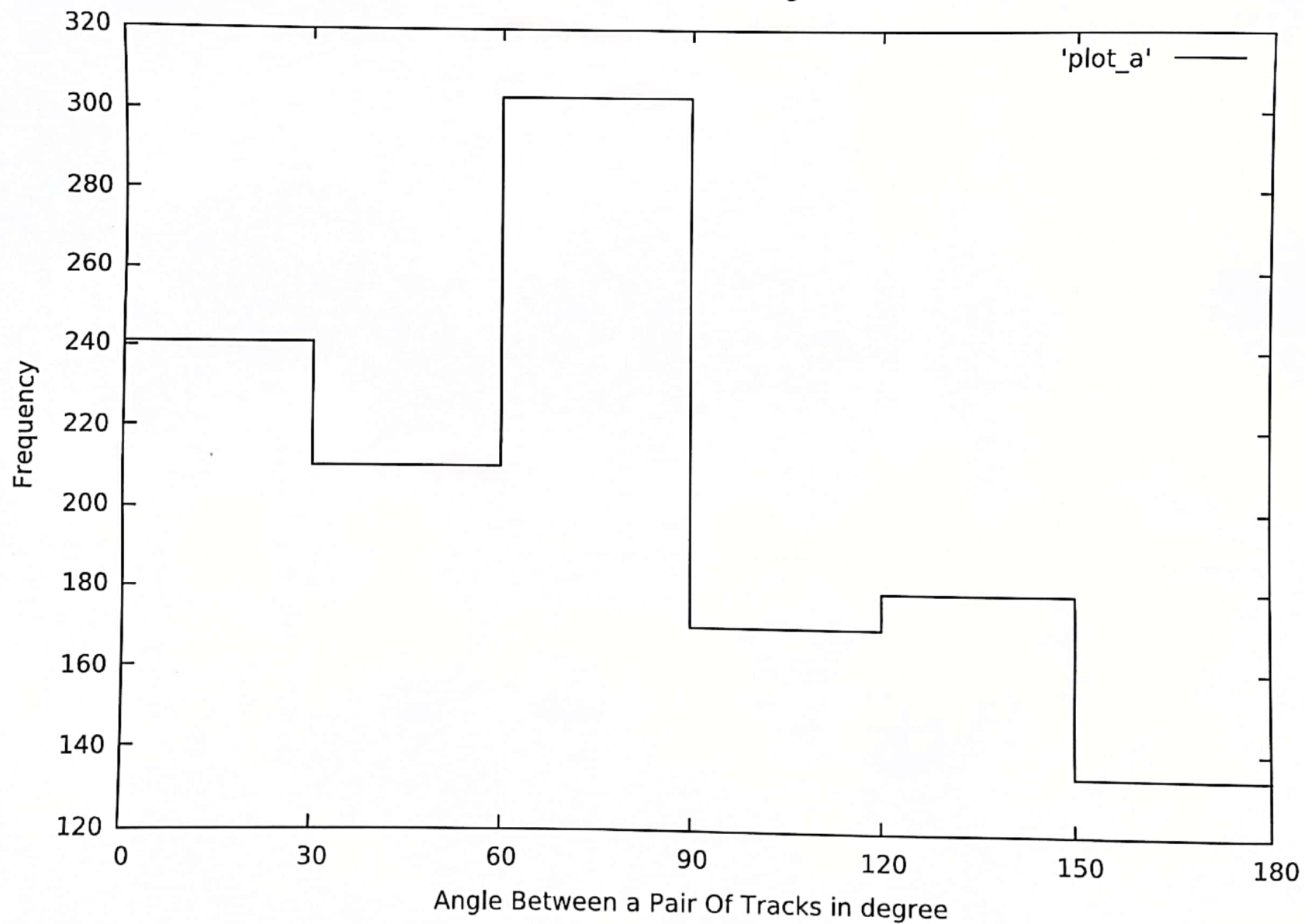
RANGE (in mm)	No. of Events
0.00 - 0.25	97
0.25 - 0.50	41
0.50 - 0.75	28
0.75 - 1.00	07
1.00 - 1.25	12
1.25 - 1.50	04
1.50 - 1.75	01
1.75 - 2.00	00
2.00 - 2.25	00
2.25 - 2.50	02
2.50 - 2.75	03
2.75 - 3.00	00
3.00 - 3.25	1 01
3.25 - 3.50	<del>00</del> 01
3.50 - 3.75	00
3.75 - 4.00	02
4.00 - 4.25	00

: ANGLE DISTRIBUTION TABLE :

Angle in degree	No. of events.
0 - 30	241
30 - 60	210
60 - 90	303
90 - 120	170
120 - 150	179
150 - 180	134



Distribution Of Angle





star number:	1
angle between tracks A & B	
A	B angle in degree
1	2
1	3
1	4
1	5
1	6
1	7
1	8
1	9
1	10
1	11
1	12
1	13
1	14
2	3
2	4
2	5
2	6
2	7
2	8
2	9
2	10
2	11
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2	13
2	14
3	4
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7	13
7	14
8	9
8	10
8	11