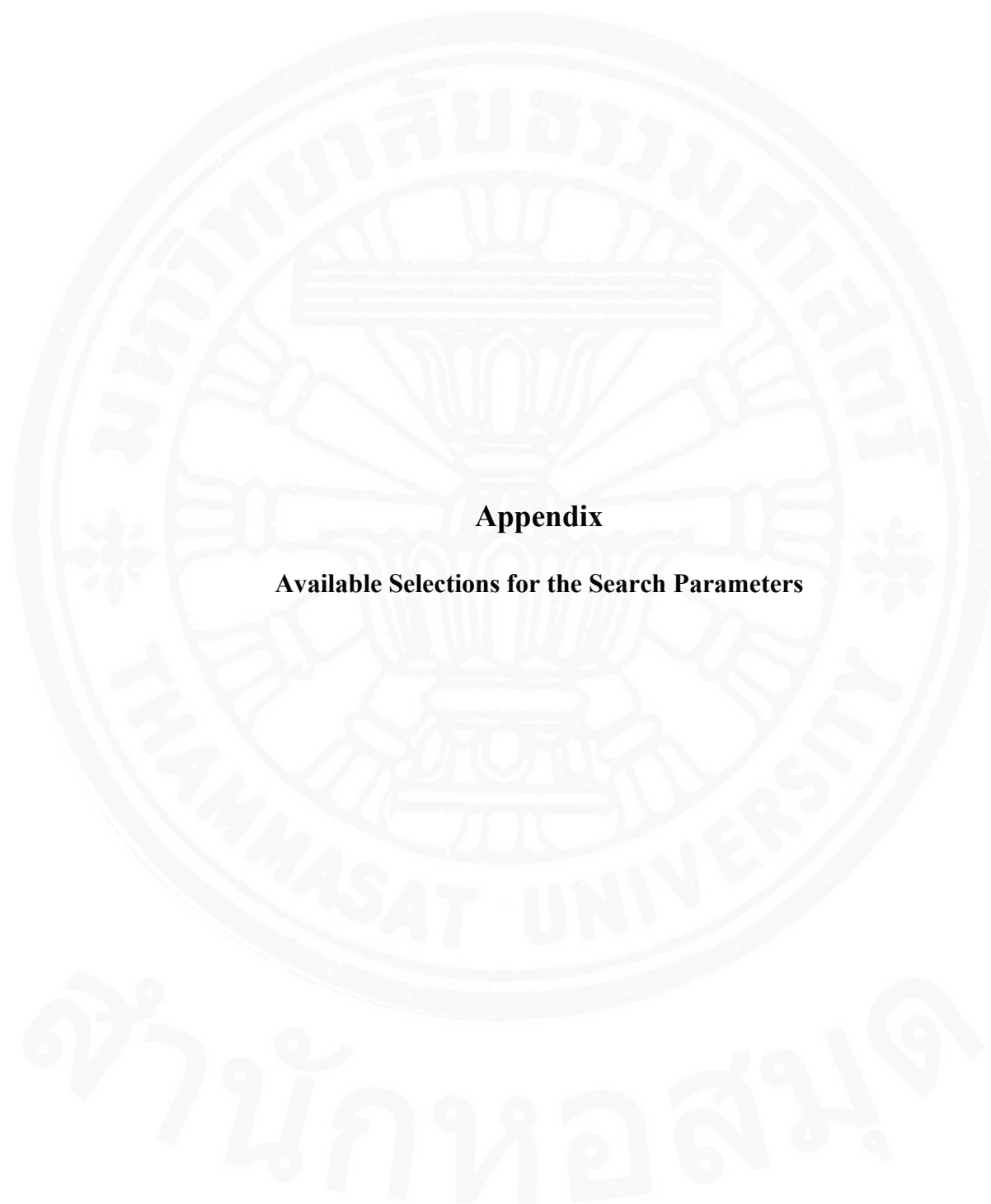


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Appendix

Available Selections for the Search Parameters

Available list of search parameters—Example 1

\hat{x} (m)	α_1 (degree)	$\Delta\alpha_i$ (degree)
0.00	40.00	-4.00
0.25	40.10	-3.96
0.50	40.20	-3.92
0.75	40.30	-3.88
1.00	40.40	-3.84
1.25	40.50	-3.80
1.50	40.60	-3.76
1.75	40.70	-3.72
2.00	40.80	-3.68
2.25	40.90	-3.64
2.50	41.00	-3.60
2.75	41.10	-3.56
3.00	41.20	-3.52
3.25	41.30	-3.48
3.50	41.40	-3.44
3.75	41.50	-3.40
4.00	41.60	-3.36
4.25	41.70	-3.32
4.50	41.80	-3.28
4.75	41.90	-3.24
5.00	42.00	-3.20
5.25	42.10	-3.16
5.50	42.20	-3.12
5.75	42.30	-3.08
6.00	42.40	-3.04
6.25	42.50	-3.00
6.50	42.60	-2.96
6.75	42.70	-2.92
7.00	42.80	-2.88
7.25	42.90	-2.84
7.50	43.00	-2.80
7.75	43.10	-2.76
8.00	43.20	-2.72
8.25	43.30	-2.68
8.50	43.40	-2.64
8.75	43.50	-2.60
9.00	43.60	-2.56
9.25	43.70	-2.52
9.50	43.80	-2.48
9.75	43.90	-2.44
10.00	44.00	-2.40

Available list of search parameters—Example 1(continued)

α_1 (degree)	$\Delta\alpha_i$ (degree)
44.10	-2.36
44.20	-2.32
44.30	-2.28
44.40	-2.24
44.50	-2.20
44.60	-2.16
44.70	-2.12
44.80	-2.08
44.90	-2.04
45.00	-2.00
45.10	-1.96
45.20	-1.92
45.30	-1.88
45.40	-1.84
45.50	-1.80
45.60	-1.76
45.70	-1.72
45.80	-1.68
45.90	-1.64
46.00	-1.60
46.10	-1.56
46.20	-1.52
46.30	-1.48
46.40	-1.44
46.50	-1.40
46.60	-1.36
46.70	-1.32
46.80	-1.28
46.90	-1.24
47.00	-1.20
47.10	-1.16
47.20	-1.12
47.30	-1.08
47.40	-1.04
47.50	-1.00
47.60	-0.96
47.70	-0.92
47.80	-0.88
47.90	-0.84
48.00	-0.80
48.10	-0.76

Available list of search parameters—Example 1(continued)

α_1 (degree)	$\Delta\alpha_i$ (degree)
48.20	-0.72
48.30	-0.68
48.40	-0.64
48.50	-0.60
48.60	-0.56
48.70	-0.52
48.80	-0.48
48.90	-0.44
49.00	-0.40
49.10	-0.36
49.20	-0.32
49.30	-0.28
49.40	-0.24
49.50	-0.20
49.60	-0.16
49.70	-0.12
49.80	-0.08
49.90	-0.04
50.00	0.00

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Available list of search parameters—Example 2

\hat{x} (m)	α_1 (degree)	$\Delta\alpha_i$ (degree)
0.00	35.00	-2.50
0.25	35.20	-2.48
0.50	35.40	-2.45
0.75	35.60	-2.43
1.00	35.80	-2.40
1.25	36.00	-2.38
1.50	36.20	-2.35
1.75	36.40	-2.33
2.00	36.60	-2.30
2.25	36.80	-2.28
2.50	37.00	-2.25
2.75	37.20	-2.23
3.00	37.40	-2.20
3.25	37.60	-2.18
3.50	37.80	-2.15
3.75	38.00	-2.13
4.00	38.20	-2.10
4.25	38.40	-2.08
4.50	38.60	-2.05
4.75	38.80	-2.03
5.00	39.00	-2.00
5.25	39.20	-1.98
5.50	39.40	-1.95
5.75	39.60	-1.93
6.00	39.80	-1.90
6.25	40.00	-1.88
6.50	40.20	-1.85
6.75	40.40	-1.83
7.00	40.60	-1.80
7.25	40.80	-1.78
7.50	41.00	-1.75
7.75	41.20	-1.73
8.00	41.40	-1.70
8.25	41.60	-1.68
8.50	41.80	-1.65
8.75	42.00	-1.63
9.00	42.20	-1.60
9.25	42.40	-1.58
9.50	42.60	-1.55
9.75	42.80	-1.53
10.00	43.00	-1.50

Available list of search parameters—Example 2 (continued)

\hat{x} (m)	α_1 (degree)	$\Delta\alpha_i$ (degree)
10.25	43.20	-1.48
10.50	43.40	-1.45
10.75	43.60	-1.43
11.00	43.80	-1.40
11.25	44.00	-1.38
11.50	44.20	-1.35
11.75	44.40	-1.33
12.00	44.60	-1.30
12.25	44.80	-1.28
12.50	45.00	-1.25
12.75	45.20	-1.23
13.00	45.40	-1.20
13.25	45.60	-1.18
13.50	45.80	-1.15
13.75	46.00	-1.13
14.00	46.20	-1.10
14.25	46.40	-1.08
14.50	46.60	-1.05
14.75	46.80	-1.03
15.00	47.00	-1.00
15.25	47.20	-0.98
15.50	47.40	-0.95
15.75	47.60	-0.93
16.00	47.80	-0.90
16.25	48.00	-0.88
16.50	48.20	-0.85
16.75	48.40	-0.83
17.00	48.60	-0.80
17.25	48.80	-0.78
17.50	49.00	-0.75
17.75	49.20	-0.73
18.00	49.40	-0.70
18.25	49.60	-0.68
18.50	49.80	-0.65
18.75	50.00	-0.63
19.00	50.20	-0.60
19.25	50.40	-0.58
19.50	50.60	-0.55
19.75	50.80	-0.53
20.00	51.00	-0.50
	51.20	-0.48

Available list of search parameters—Example 2 (continued)

α_1 (degree)	$\Delta\alpha_i$ (degree)
51.40	-0.45
51.60	-0.43
51.80	-0.40
52.00	-0.38
52.20	-0.35
52.40	-0.33
52.60	-0.30
52.80	-0.28
53.00	-0.25
53.20	-0.23
53.40	-0.20
53.60	-0.18
53.80	-0.15
54.00	-0.13
54.20	-0.10
54.40	-0.08
54.60	-0.05
54.80	-0.03
55.00	0.00

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Available list of search parameters—Example 3

\hat{x} (feet)	α_1 (degree)	$\Delta\alpha_i$ (degree)
1.00	32.00	-2.00
2.00	32.25	-1.98
3.00	32.50	-1.96
4.00	32.75	-1.94
5.00	33.00	-1.92
6.00	33.25	-1.90
7.00	33.50	-1.88
8.00	33.75	-1.86
9.00	34.00	-1.84
10.00	34.25	-1.82
11.00	34.50	-1.80
12.00	34.75	-1.78
13.00	35.00	-1.76
14.00	35.25	-1.74
15.00	35.50	-1.72
16.00	35.75	-1.70
17.00	36.00	-1.68
18.00	36.25	-1.66
19.00	36.50	-1.64
20.00	36.75	-1.62
21.00	37.00	-1.60
22.00	37.25	-1.58
23.00	37.50	-1.56
24.00	37.75	-1.54
25.00	38.00	-1.52
26.00	38.25	-1.50
27.00	38.50	-1.48
28.00	38.75	-1.46
29.00	39.00	-1.44
30.00	39.25	-1.42
31.00	39.50	-1.40
32.00	39.75	-1.38
33.00	40.00	-1.36
34.00	40.25	-1.34
35.00	40.50	-1.32
36.00	40.75	-1.30
37.00	41.00	-1.28
38.00	41.25	-1.26
39.00	41.50	-1.24
40.00	41.75	-1.22
	42.00	-1.20

Available list of search parameters—Example 3 (continued)

α_1 (degree)	$\Delta\alpha_i$ (degree)
42.25	-1.18
42.50	-1.16
42.75	-1.14
43.00	-1.12
43.25	-1.10
43.50	-1.08
43.75	-1.06
44.00	-1.04
44.25	-1.02
44.50	-1.00
44.75	-0.98
45.00	-0.96
45.25	-0.94
45.50	-0.92
45.75	-0.90
46.00	-0.88
46.25	-0.86
46.50	-0.84
46.75	-0.82
47.00	-0.80
47.25	-0.78
47.50	-0.76
47.75	-0.74
48.00	-0.72
48.25	-0.70
48.50	-0.68
48.75	-0.66
49.00	-0.64
49.25	-0.62
49.50	-0.60
49.75	-0.58
50.00	-0.56
50.25	-0.54
50.50	-0.52
50.75	-0.50
51.00	-0.48
51.25	-0.46
51.50	-0.44
51.75	-0.42
52.00	-0.40
52.25	-0.38

Available list of search parameters—Example 3 (continued)

α_1 (degree)	$\Delta\alpha_i$ (degree)
52.50	-0.36
52.75	-0.34
53.00	-0.32
53.25	-0.30
53.50	-0.28
53.75	-0.26
54.00	-0.24
54.25	-0.22
54.50	-0.20
54.75	-0.18
55.00	-0.16
55.25	-0.14
55.50	-0.12
55.75	-0.10
56.00	-0.08
56.25	-0.06
56.50	-0.04
56.75	-0.02
57.00	0.00

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Available list of search parameters—Example 4

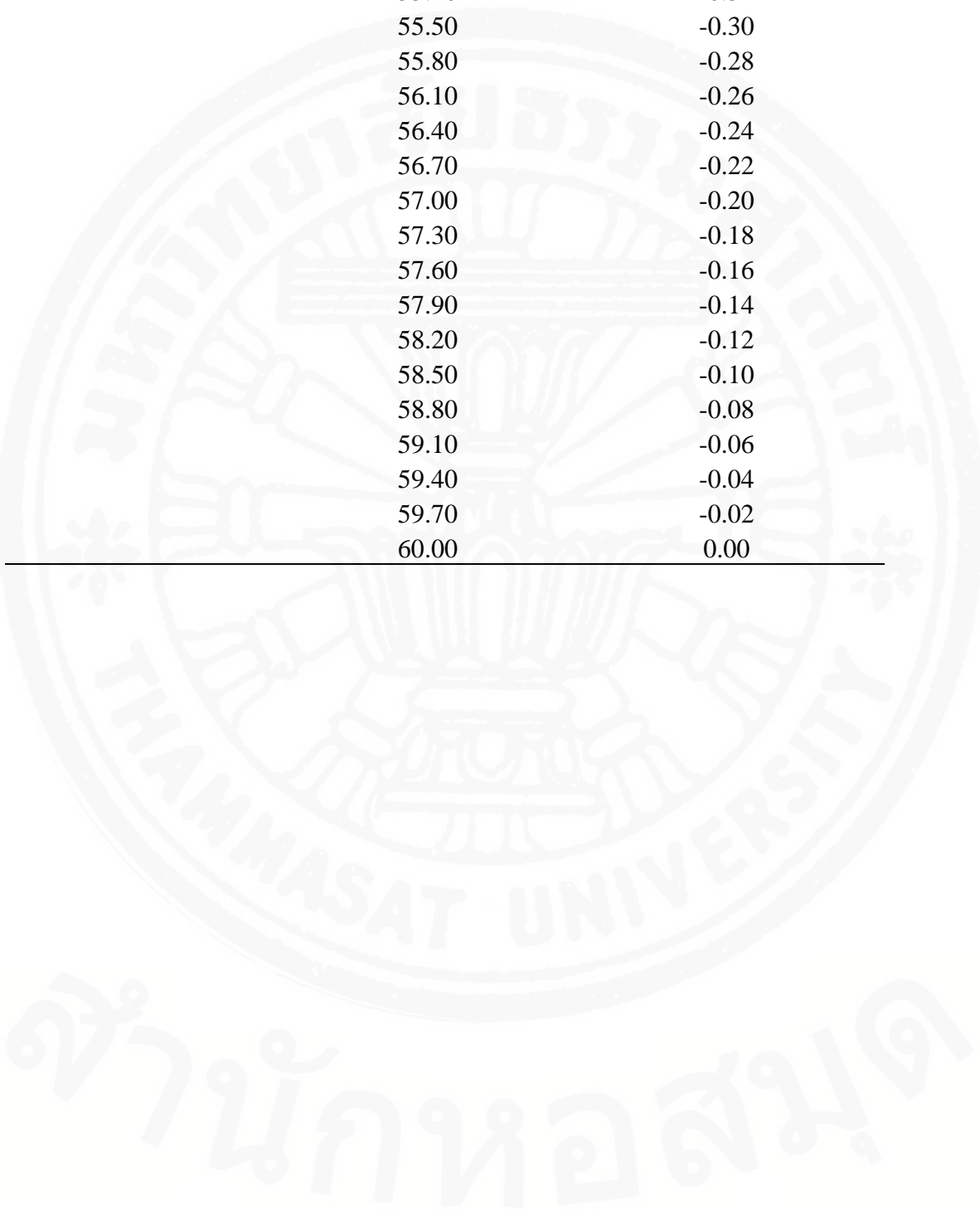
\hat{x} (m)	α_1 (degree)	$\Delta\alpha_i$ (degree)
40.00	30.00	-2.00
40.50	30.30	-1.98
41.00	30.60	-1.96
41.50	30.90	-1.94
42.00	31.20	-1.92
42.50	31.50	-1.90
43.00	31.80	-1.88
43.50	32.10	-1.86
44.00	32.40	-1.84
44.50	32.70	-1.82
45.00	33.00	-1.80
45.50	33.30	-1.78
46.00	33.60	-1.76
46.50	33.90	-1.74
47.00	34.20	-1.72
47.50	34.50	-1.70
48.00	34.80	-1.68
48.50	35.10	-1.66
49.00	35.40	-1.64
49.50	35.70	-1.62
50.00	36.00	-1.60
50.50	36.30	-1.58
51.00	36.60	-1.56
51.50	36.90	-1.54
52.00	37.20	-1.52
52.50	37.50	-1.50
53.00	37.80	-1.48
53.50	38.10	-1.46
54.00	38.40	-1.44
54.50	38.70	-1.42
55.00	39.00	-1.40
55.50	39.30	-1.38
56.00	39.60	-1.36
56.50	39.90	-1.34
57.00	40.20	-1.32
57.50	40.50	-1.30
58.00	40.80	-1.28
58.50	41.10	-1.26
59.00	41.40	-1.24
59.50	41.70	-1.22
60.00	42.00	-1.20

Available list of search parameters—Example 4 (continued)

\hat{x} (m)	α_i (degree)	$\Delta\alpha_i$ (degree)
60.50	42.30	-1.18
61.00	42.60	-1.16
61.50	42.90	-1.14
62.00	43.20	-1.12
62.50	43.50	-1.10
63.00	43.80	-1.08
63.50	44.10	-1.06
64.00	44.40	-1.04
64.50	44.70	-1.02
65.00	45.00	-1.00
65.50	45.30	-0.98
66.00	45.60	-0.96
66.50	45.90	-0.94
67.00	46.20	-0.92
67.50	46.50	-0.90
68.00	46.80	-0.88
68.50	47.10	-0.86
69.00	47.40	-0.84
69.50	47.70	-0.82
70.00	48.00	-0.80
70.50	48.30	-0.78
71.00	48.60	-0.76
71.50	48.90	-0.74
72.00	49.20	-0.72
72.50	49.50	-0.70
73.00	49.80	-0.68
73.50	50.10	-0.66
74.00	50.40	-0.64
74.50	50.70	-0.62
75.00	51.00	-0.60
75.50	51.30	-0.58
76.00	51.60	-0.56
76.50	51.90	-0.54
77.00	52.20	-0.52
77.50	52.50	-0.50
78.00	52.80	-0.48
78.50	53.10	-0.46
79.00	53.40	-0.44
79.50	53.70	-0.42
80.00	54.00	-0.40
	54.30	-0.38

Available list of search parameters for—Example 4 (continued)

α_i (degree)	$\Delta\alpha_i$ (degree)
54.60	-0.36
54.90	-0.34
55.20	-0.32
55.50	-0.30
55.80	-0.28
56.10	-0.26
56.40	-0.24
56.70	-0.22
57.00	-0.20
57.30	-0.18
57.60	-0.16
57.90	-0.14
58.20	-0.12
58.50	-0.10
58.80	-0.08
59.10	-0.06
59.40	-0.04
59.70	-0.02
60.00	0.00



Available list of search parameters—Example 5

\hat{x} (m)	α_i (degree)	$\Delta\alpha_i$ (degree)
10.00	35.00	-3.00
10.25	35.20	-2.97
10.50	35.40	-2.94
10.75	35.60	-2.91
11.00	35.80	-2.88
11.25	36.00	-2.85
11.50	36.20	-2.82
11.75	36.40	-2.79
12.00	36.60	-2.76
12.25	36.80	-2.73
12.50	37.00	-2.70
12.75	37.20	-2.67
13.00	37.40	-2.64
13.25	37.60	-2.61
13.50	37.80	-2.58
13.75	38.00	-2.55
14.00	38.20	-2.52
14.25	38.40	-2.49
14.50	38.60	-2.46
14.75	38.80	-2.43
15.00	39.00	-2.40
	39.20	-2.37
	39.40	-2.34
	39.60	-2.31
	39.80	-2.28
	40.00	-2.25
	40.20	-2.22
	40.40	-2.19
	40.60	-2.16
	40.80	-2.13
	41.00	-2.10
	41.20	-2.07
	41.40	-2.04
	41.60	-2.01
	41.80	-1.98
	42.00	-1.95
	42.20	-1.92
	42.40	-1.89
	42.60	-1.86
	42.80	-1.83
	43.00	-1.80

Available list of search parameters—Example 5 (continued)

α_i (degree)	$\Delta\alpha_i$ (degree)
43.20	-1.77
43.40	-1.74
43.60	-1.71
43.80	-1.68
44.00	-1.65
44.20	-1.62
44.40	-1.59
44.60	-1.56
44.80	-1.53
45.00	-1.50
45.20	-1.47
45.40	-1.44
45.60	-1.41
45.80	-1.38
46.00	-1.35
46.20	-1.32
46.40	-1.29
46.60	-1.26
46.80	-1.23
47.00	-1.20
47.20	-1.17
47.40	-1.14
47.60	-1.11
47.80	-1.08
48.00	-1.05
48.20	-1.02
48.40	-0.99
48.60	-0.96
48.80	-0.93
49.00	-0.90
49.20	-0.87
49.40	-0.84
49.60	-0.81
49.80	-0.78
50.00	-0.75
50.20	-0.72
50.40	-0.69
50.60	-0.66
50.80	-0.63
51.00	-0.60
51.20	-0.57

Available list of search parameters—Example 5 (continued)

α_i (degree)	$\Delta\alpha_i$ (degree)
51.40	-0.54
51.60	-0.51
51.80	-0.48
52.00	-0.45
52.20	-0.42
52.40	-0.39
52.60	-0.36
52.80	-0.33
53.00	-0.30
53.20	-0.27
53.40	-0.24
53.60	-0.21
53.80	-0.18
54.00	-0.15
54.20	-0.12
54.40	-0.09
54.60	-0.06
54.80	-0.03
55.00	0.00

สำนักหอสมุด

Available list of search parameters—Example 6

\hat{x} (m)	α_i (degree)	$\Delta\alpha_i$ (degree)
10.00	35.00	-3.00
10.25	35.20	-2.97
10.50	35.40	-2.94
10.75	35.60	-2.91
11.00	35.80	-2.88
11.25	36.00	-2.85
11.50	36.20	-2.82
11.75	36.40	-2.79
12.00	36.60	-2.76
12.25	36.80	-2.73
12.50	37.00	-2.70
12.75	37.20	-2.67
13.00	37.40	-2.64
13.25	37.60	-2.61
13.50	37.80	-2.58
13.75	38.00	-2.55
14.00	38.20	-2.52
14.25	38.40	-2.49
14.50	38.60	-2.46
14.75	38.80	-2.43
15.00	39.00	-2.40
	39.20	-2.37
	39.40	-2.34
	39.60	-2.31
	39.80	-2.28
	40.00	-2.25
	40.20	-2.22
	40.40	-2.19
	40.60	-2.16
	40.80	-2.13
	41.00	-2.10
	41.20	-2.07
	41.40	-2.04
	41.60	-2.01
	41.80	-1.98
	42.00	-1.95
	42.20	-1.92
	42.40	-1.89
	42.60	-1.86
	42.80	-1.83
	43.00	-1.80

Available list of search parameters—Example 6 (continued)

α_i (degree)	$\Delta\alpha_i$ (degree)
43.20	-1.77
43.40	-1.74
43.60	-1.71
43.80	-1.68
44.00	-1.65
44.20	-1.62
44.40	-1.59
44.60	-1.56
44.80	-1.53
45.00	-1.50
45.20	-1.47
45.40	-1.44
45.60	-1.41
45.80	-1.38
46.00	-1.35
46.20	-1.32
46.40	-1.29
46.60	-1.26
46.80	-1.23
47.00	-1.20
47.20	-1.17
47.40	-1.14
47.60	-1.11
47.80	-1.08
48.00	-1.05
48.20	-1.02
48.40	-0.99
48.60	-0.96
48.80	-0.93
49.00	-0.90
49.20	-0.87
49.40	-0.84
49.60	-0.81
49.80	-0.78
50.00	-0.75
50.20	-0.72
50.40	-0.69
50.60	-0.66
50.80	-0.63
51.00	-0.60
51.20	-0.57

Available list of search parameters for—Example 6 (continued)

α_i (degree)	$\Delta\alpha_i$ (degree)
51.40	-0.54
51.60	-0.51
51.80	-0.48
52.00	-0.45
52.20	-0.42
52.40	-0.39
52.60	-0.36
52.80	-0.33
53.00	-0.30
53.20	-0.27
53.40	-0.24
53.60	-0.21
53.80	-0.18
54.00	-0.15
54.20	-0.12
54.40	-0.09
54.60	-0.06
54.80	-0.03
55.00	0.00