EECS 495 Biometrics Assignment2

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Problem 1

The hough space, red region indicates the parameter space:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0
2	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0
3	0	1	0	0	1	0	0	2	1	1	0	0	0	0	0
4	1	2	1	1	0	0	1	1	0	0	1	0	0	0	0
5	1	2	1	1	0	1	0	1	0	0	0	1	0	1	1
6	0	0	1	1	2	2	1	0	0	0	0	1	1	0	0
7	0	0	1	1	2	2	1	0	0	0	0	2	0	0	0
8	0	1	0	0	1	0	1	1	0	0	1	1	0	0	0
9	0	1	0	1	0	0	0	2	1	1	0	1	0	0	0
10	1	2	1	0	0	0	0	1	0	0	0	0	1	0	0

The fitted circles: (green, black, and blue pixels corresponds to circle, pixels on the circle and pixels not on the circle, respectively)