

영상처리 실제 - 11주차 과제

: 16 – 특징추출(1) – HW1

HW1								
$\theta \backslash P$	0	1	$\sqrt{2}$	2	$2\sqrt{2}$	3	$4\sqrt{2}$	5
0	1	1	0	0	0	1	1	0
$\pi/4$	0	0	1	0	1	0	1	0
$\pi/2$	0	0	0	1	0	1	0	1
$3\pi/4$	0	0	0	0	0	0	0	0

: 16 – 특징추출(1) – HW2

5																			
4																			
3																			
2																			
1																			
0																			
-1																			
-2																			
-3																			
-4																			
-5																			
a/b	-5	-4	-3	-2	-1	0	1	2	3	4	5								

: 16 – 특징추출(1) – HW3

```
//16 - 특징추출(1) - HW3
#ifdef 1
Mat src = imread("D:\\999.Image\\hough_test3.jpg", 0);
if (src.empty())
{
    cout << "can not open " << endl;
    return -1;
}

Mat dst, cdst;
Canny(src, dst, 100, 200);
cvtColor(dst, cdst, COLOR_GRAY2BGR);

vector<Vec4i> lines;
HoughLinesP(dst, lines, 1, (CV_PI / 180) * 2, 50, 100, 20);
for (size_t i = 0; i < lines.size(); i++)
{
    Vec4i l = lines[i];
    line(cdst, Point(l[0], l[1]), Point(l[2], l[3]), Scalar(0, 255, 0), 2, LINE_AA);
}

imshow("source", src);
imshow("detected lines", cdst);
waitKey();
#endif
```

