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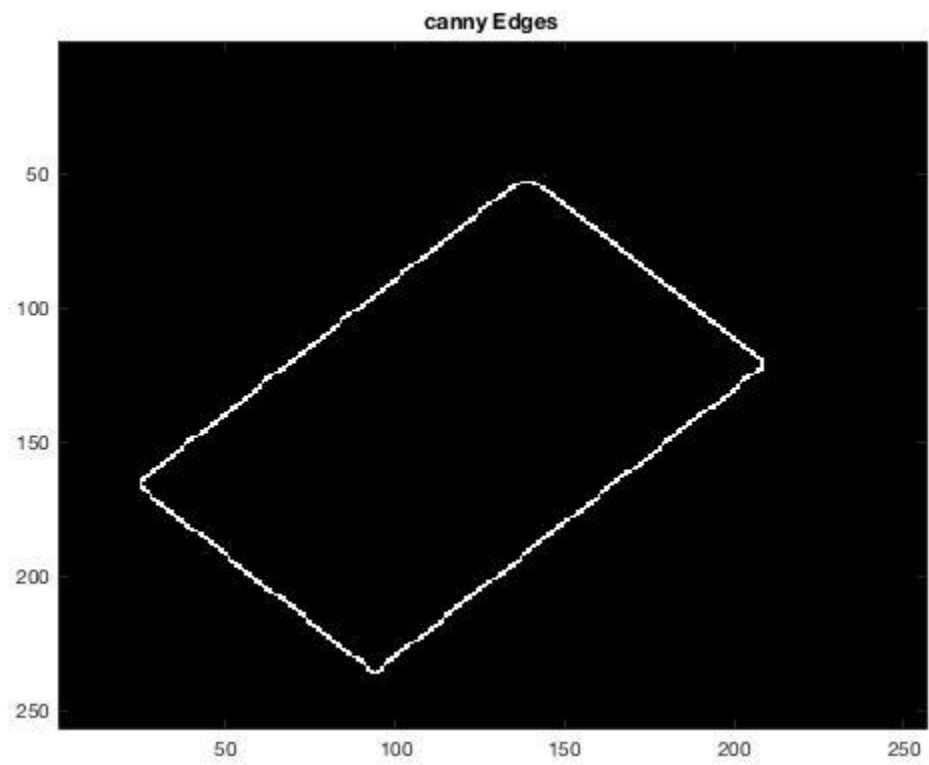
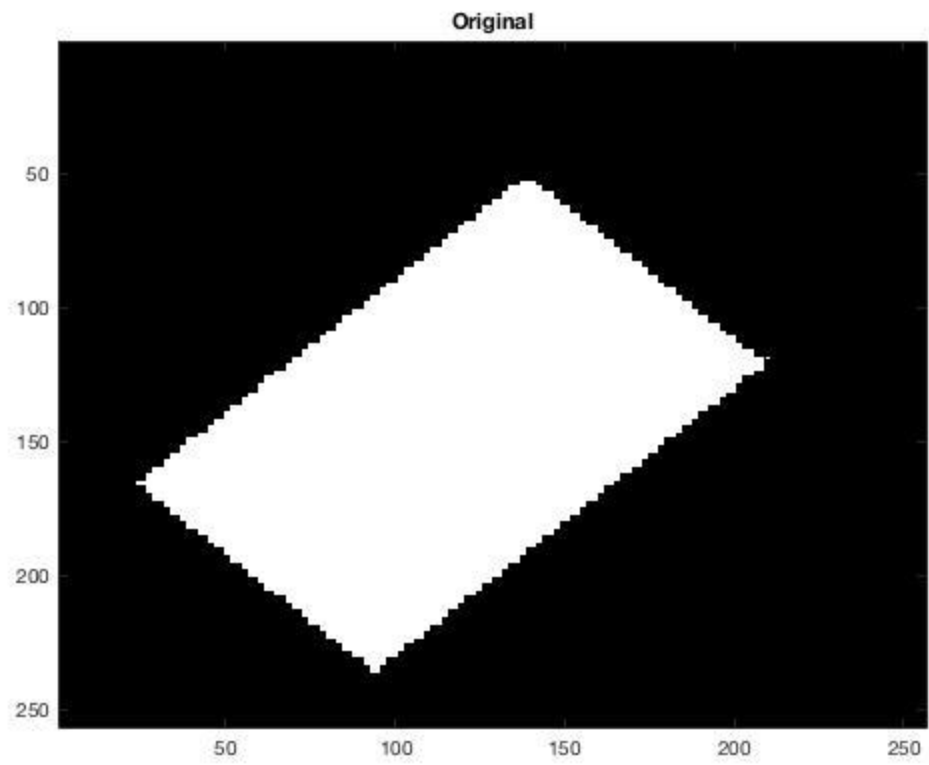
### q3

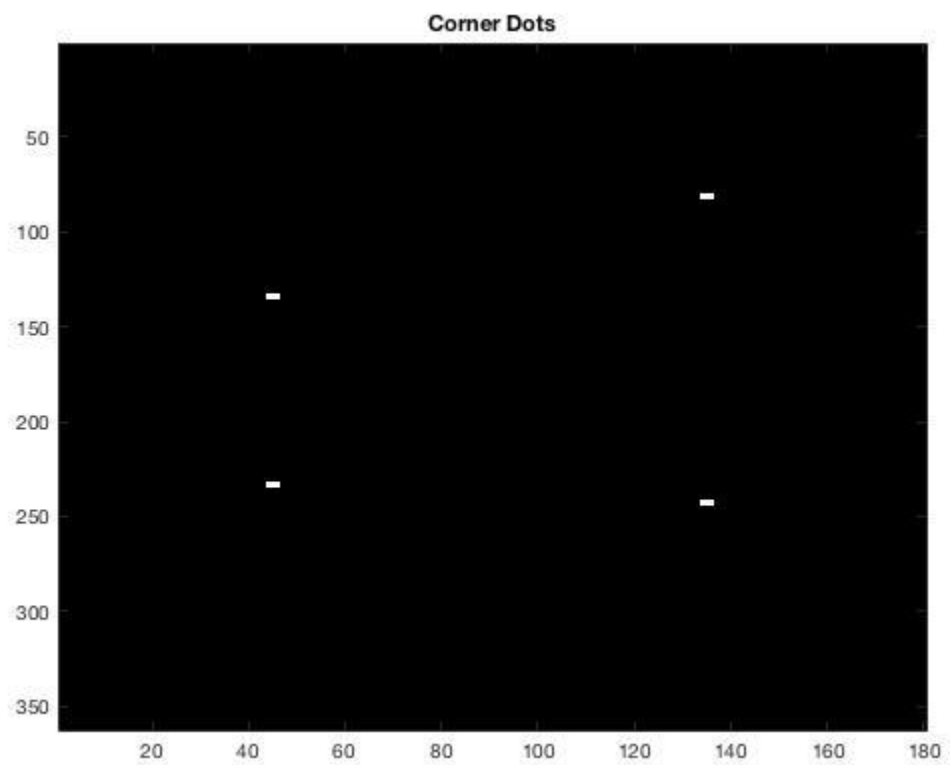
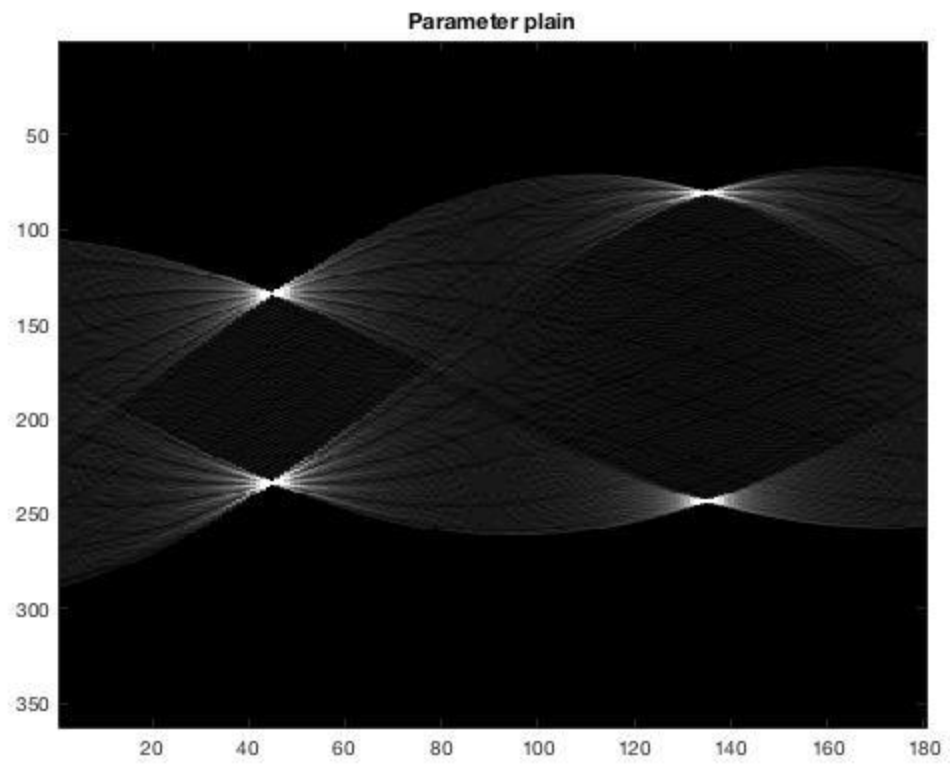
```
clc; clear; close all;
addpath(genpath('./materials'))
OB1 = imread('object1.bmp');
R2 = imread('object2.bmp');
C3 = imread('object3.bmp');
```

### Image: object1.bmp

```
q3b2g(OB1);

Found line: r = 134, theta = 45
Found line: r = 233, theta = 45
Found line: r = 81, theta = 135
Found line: r = 243, theta = 135
There are Vertical lines!!
There are 2 parrellel lines with angle: 45
There are 2 parrellel lines with angle: 135
```





---

## Image: object2.bmp

```
q3b2g(R2);
```

```
Found line: r = 117, theta = 90
```

```
Found line: r = 244, theta = 90
```

```
Found line: r = 239, theta = 28
```

```
Found line: r = 122, theta = 152
```

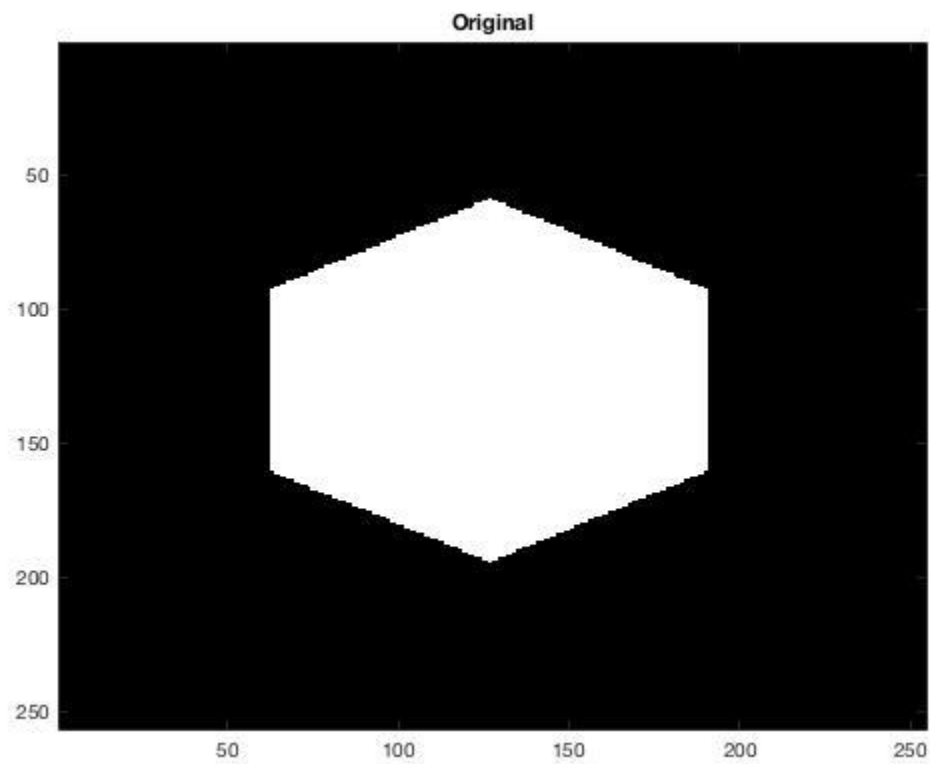
```
Found line: r = 119, theta = 28
```

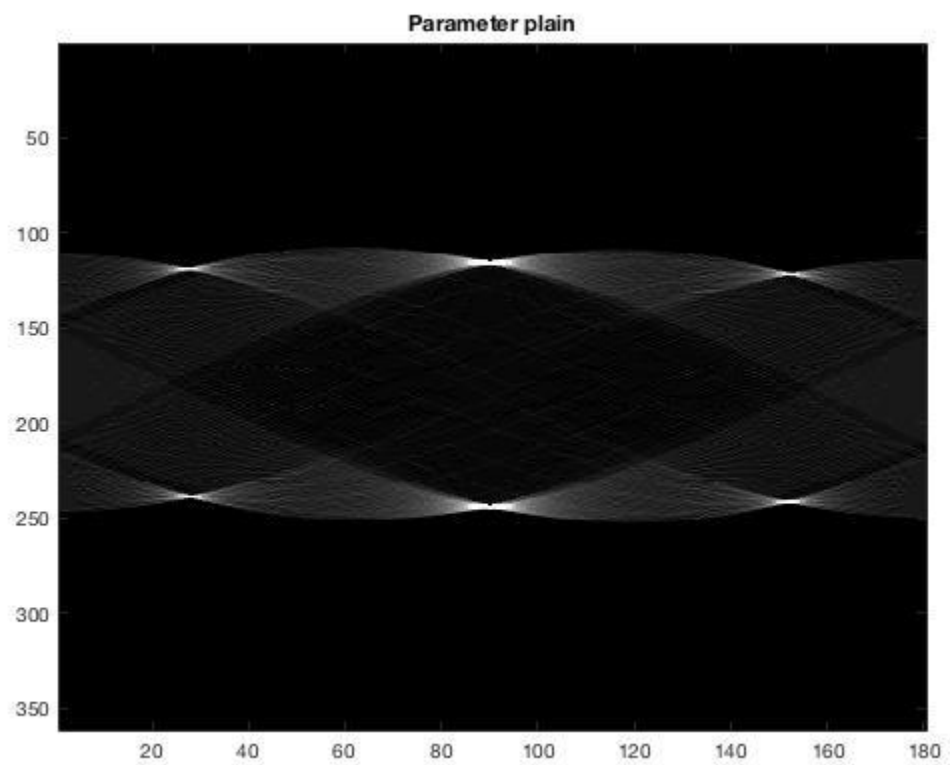
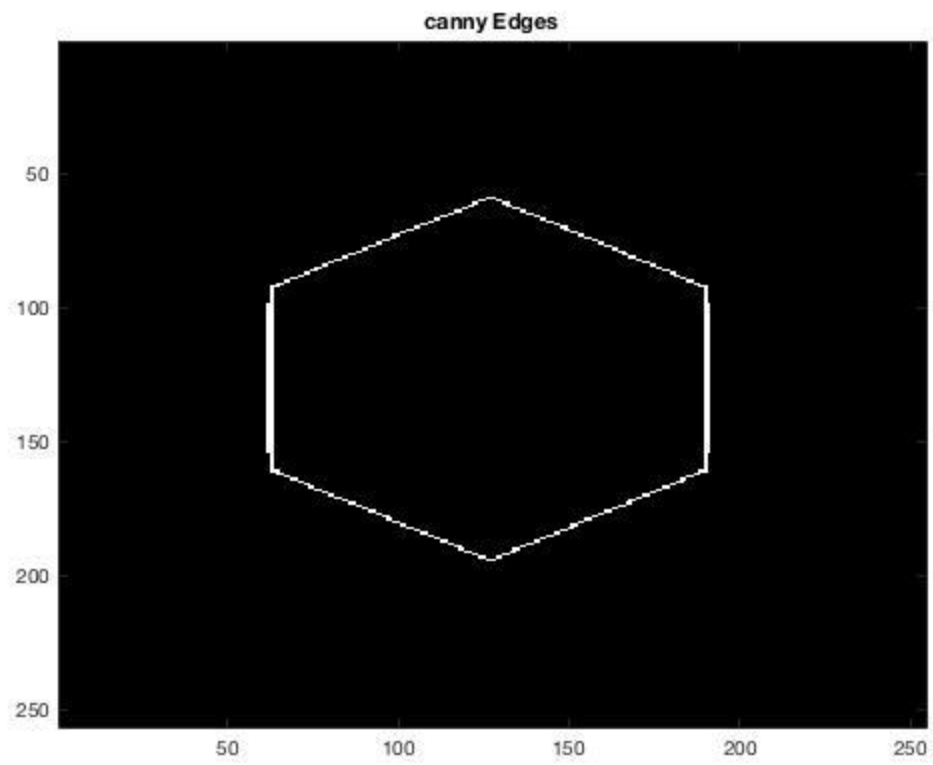
```
Found line: r = 242, theta = 151
```

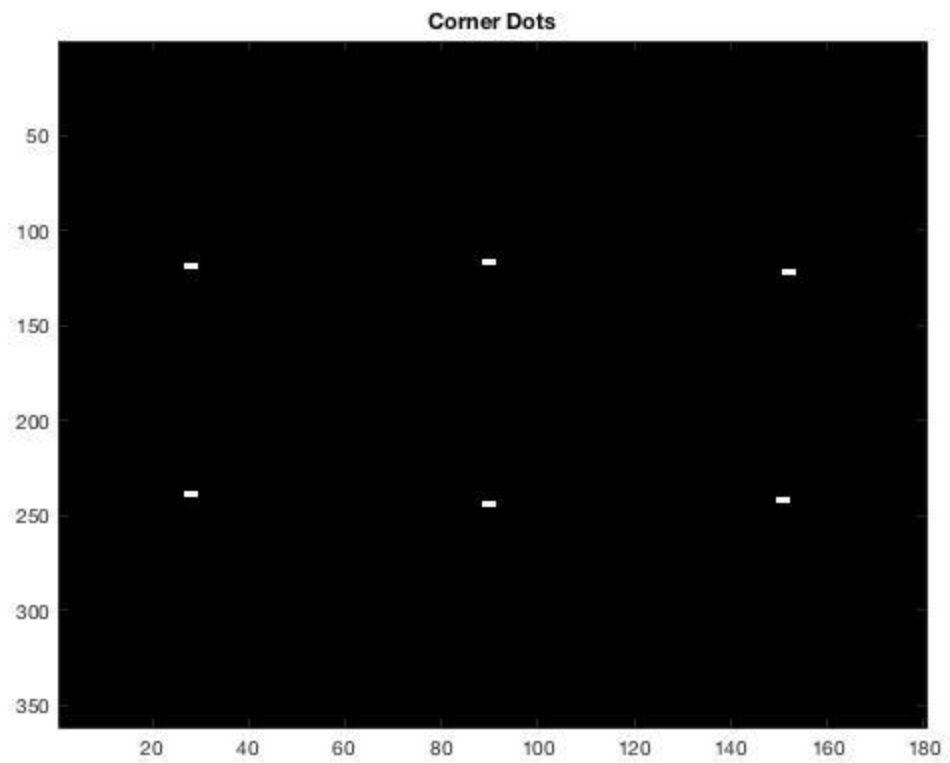
```
There are 2 parrellel lines with angle: 28
```

```
There are 2 parrellel lines with angle: 90
```

```
There are 2 parrellel lines with angle: 151
```







## Image: object3.bmp

```
q3b2g(C3);
```

```
Found line: r = 159, theta = 90
```

```
Found line: r = 286, theta = 90
```

```
Found line: r = 295, theta = 28
```

```
Found line: r = 175, theta = 28
```

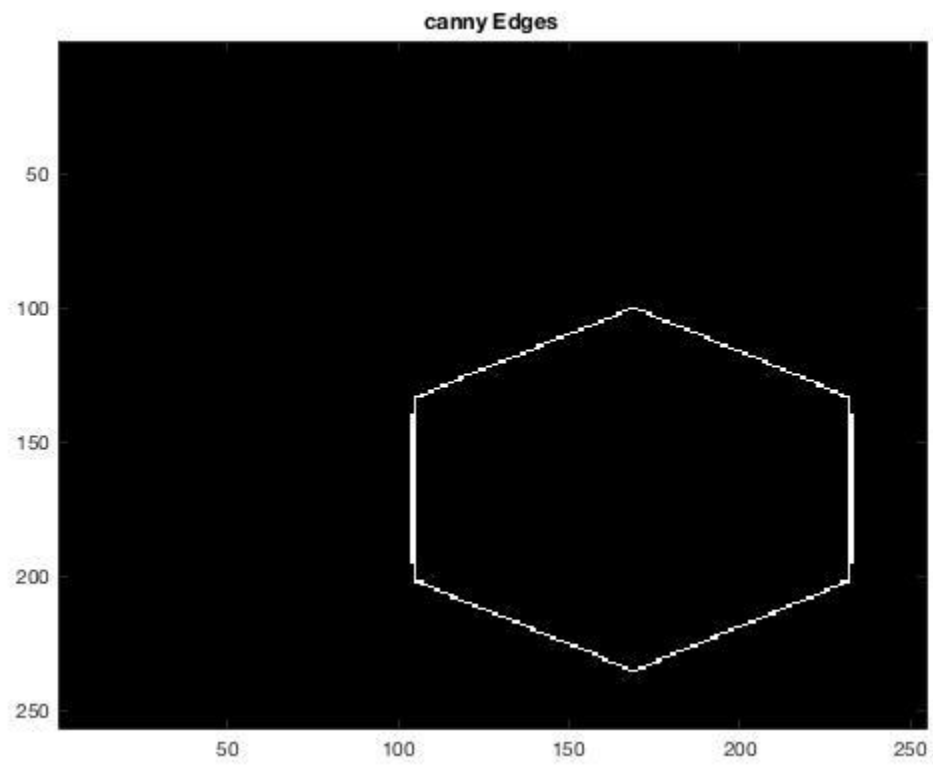
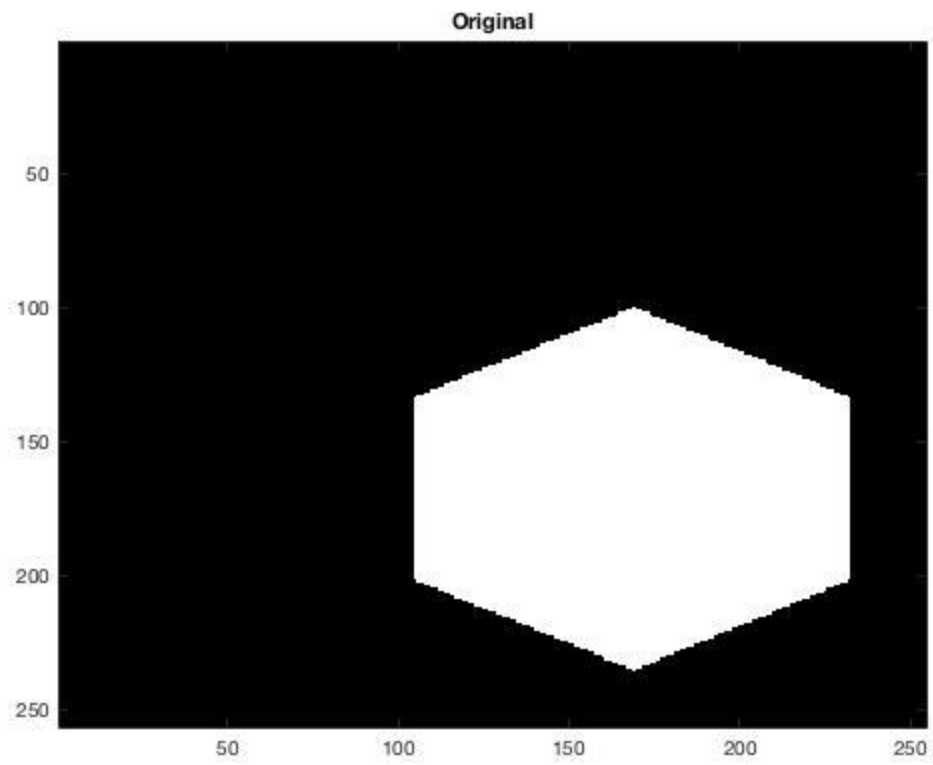
```
Found line: r = 225, theta = 152
```

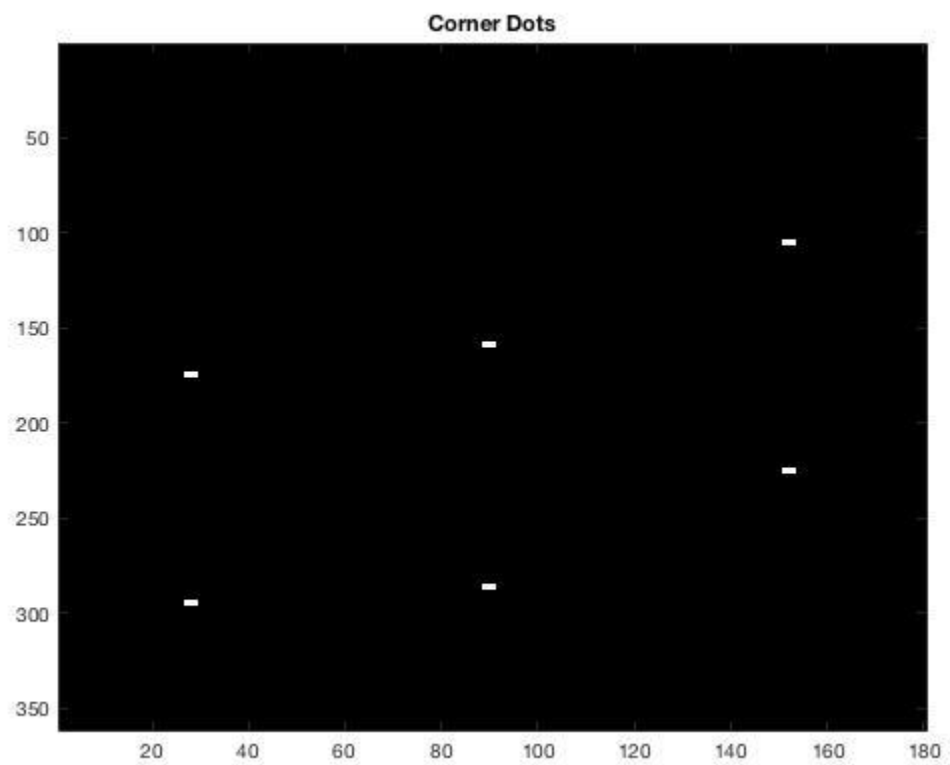
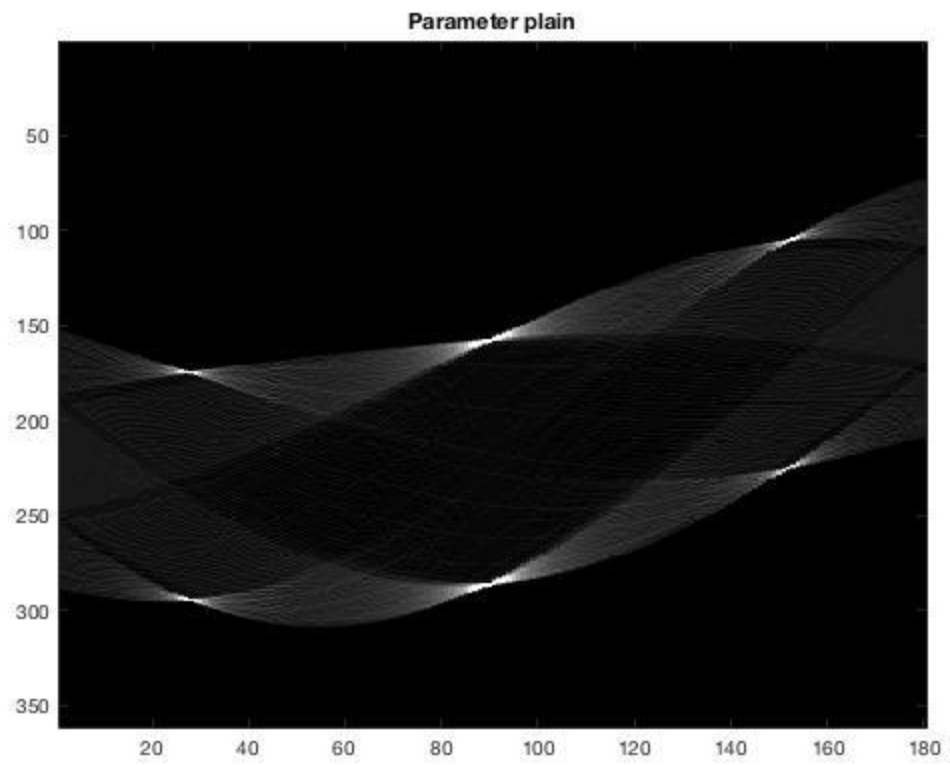
```
Found line: r = 105, theta = 152
```

```
There are 2 parrellel lines with angle: 28
```

```
There are 2 parrellel lines with angle: 90
```

```
There are 2 parrellel lines with angle: 152
```







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