1. FastFeatureDetector

In [ ]:

```
import cv2
import numpy as np

src = cv2.imread('./data/chessBoard.jpg')
gray= cv2.cvtColor(src,cv2.COLOR_BGR2GRAY)

fastF = cv2.FastFeatureDetector_create()
kp = fastF.detect(gray)
dst = cv2.drawKeypoints(gray, kp, None, color=(0,0,255))
print('len(kp)=', len(kp))

cv2.imshow('dst',  dst)
cv2.waitKey()
cv2.destroyAllWindows()
```

2. MSER

In [ ]:

```
import cv2
import numpy as np

src = cv2.imread('./data/chessBoard.jpg')
gray= cv2.cvtColor(src,cv2.COLOR_BGR2GRAY)

mserF = cv2.MSER_create(10)
kp= mserF.detect(gray)
dst = cv2.drawKeypoints(gray, kp, None, color=(0,0,255))
print('len(kp)=', len(kp))

cv2.imshow('dst',  dst)
cv2.waitKey()
cv2.destroyAllWindows()
```

3. SimpleBlobDetector

In [ ]:

```
import cv2
import numpy as np

src = cv2.imread('./data/chessBoard.jpg')
gray= cv2.cvtColor(src,cv2.COLOR_BGR2GRAY)

blobF = cv2.SimpleBlobDetector_create()
kp= blobF.detect(gray)
dst = cv2.drawKeypoints(gray, kp, None, color=(0,0,255))
print('len(kp)=', len(kp))

cv2.imshow('dst',  dst)
cv2.waitKey()
cv2.destroyAllWindows()
```

4. GFTTDetector

In [ ]:

```
import cv2
import numpy as np

src = cv2.imread('./data/CornerTest.jpg')
gray= cv2.cvtColor(src,cv2.COLOR_BGR2GRAY)

goodF = cv2.GFTTDetector_create()
kp= goodF.detect(gray)
dst = cv2.drawKeypoints(gray, kp, None, color=(0,0,255))
print('len(kp)=', len(kp))

cv2.imshow('dst',  dst)
cv2.waitKey()
cv2.destroyAllWindows()
```

5. ORB

In [ ]:

```
import cv2
import numpy as np

src = cv2.imread('./data/CornerTest.jpg')
gray= cv2.cvtColor(src,cv2.COLOR_BGR2GRAY)
gray = cv2.GaussianBlur(gray, (5, 5), 0.0)

orbF = cv2.ORB_create()               # HARRIS_SCORE
##orbF = cv2.ORB_create(scoreType=1)  # FAST_SCORE
kp= orbF.detect(gray)
dst = cv2.drawKeypoints(gray, kp, None, color=(0,0,255))
print('len(kp)=', len(kp))

cv2.imshow('dst',  dst)
cv2.waitKey()
cv2.destroyAllWindows()
```

6. BRISK

In [ ]:

```
import cv2
import numpy as np

src = cv2.imread('./data/CornerTest.jpg')
gray= cv2.cvtColor(src,cv2.COLOR_BGR2GRAY)
#gray = cv2.GaussianBlur(gray, (5, 5), 0.0)

briskF = cv2.BRISK_create()
kp= briskF.detect(gray)
dst = cv2.drawKeypoints(gray, kp, None, color=(0,0,255))
print('len(kp)=', len(kp))

cv2.imshow('dst',  dst)
cv2.waitKey()
cv2.destroyAllWindows()
```

7. KAZE

In [ ]:

```
import cv2
import numpy as np

src = cv2.imread('./data/CornerTest.jpg')
gray= cv2.cvtColor(src,cv2.COLOR_BGR2GRAY)

kazeF = cv2.KAZE_create()
kp= kazeF.detect(gray)
dst = cv2.drawKeypoints(gray, kp, None, color=(0,0,255))
print('len(kp)=', len(kp))

cv2.imshow('dst',  dst)
cv2.waitKey()
cv2.destroyAllWindows()
```

In [ ]:

```

```