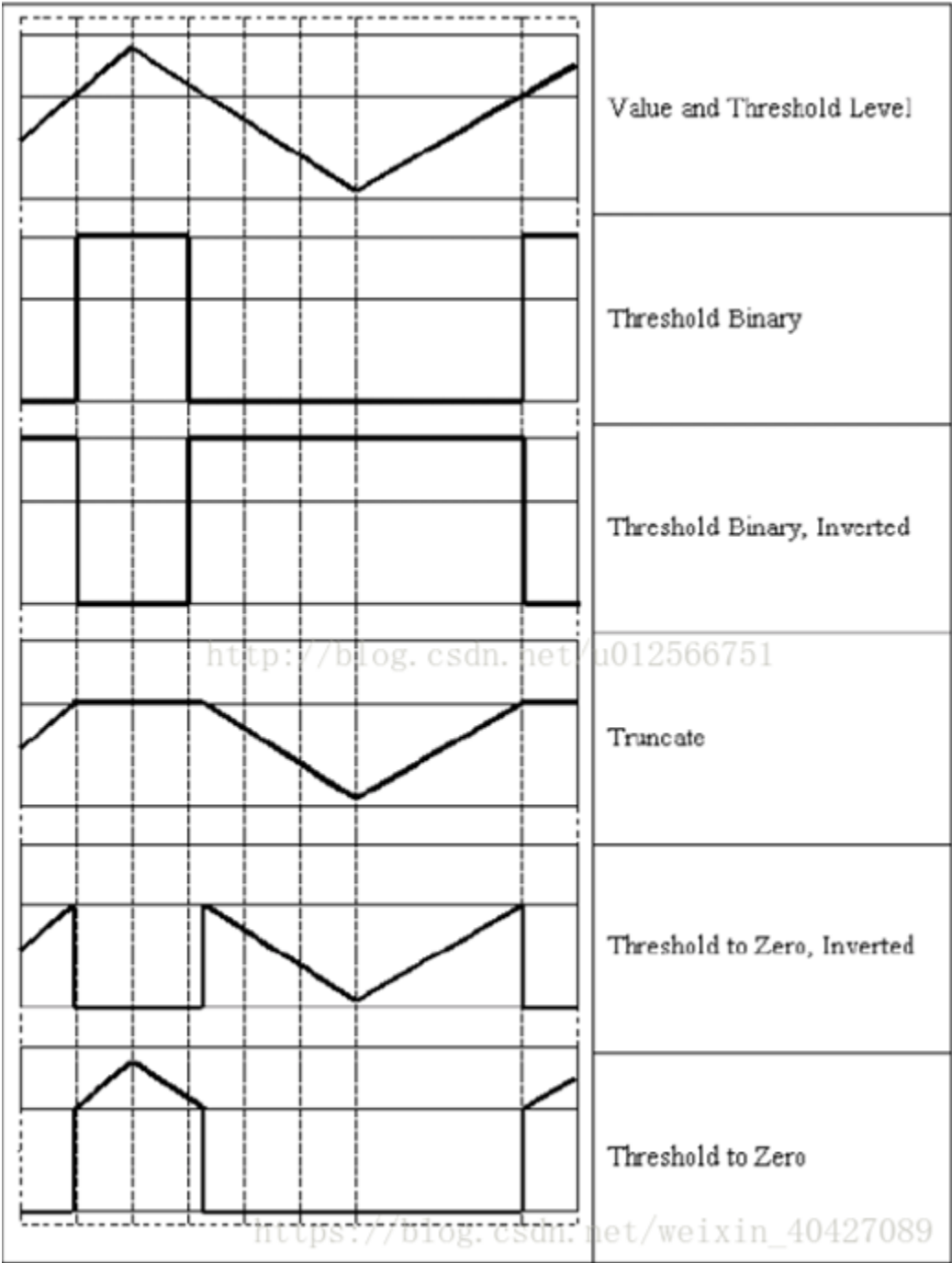


1. 純黑純白

```
ret, th = cv2.threshold(img,127,255,cv.THRESH_BINARY
```



2. 腐蝕擴張 (白色部分)

```
kernel = np.ones((3,3), np.uint8)  
erosion = cv2.erode(img, kernel, iterations = 1)  
dilation = cv2.dilate(img, kernel, iterations = 1)
```

3. 對比樣板

```
method = 'cv2.TM_CCOEFF_NORMED'
```

```
res = cv2.matchTemplate(img, template, method)
```

4. 對齊影像

```
MAX_FEATURES=500
orb = cv2.ORB_create(MAX_FEATURES)
keypoints1, descriptors1 = orb.detectAndCompute(img1_gray, None)
keypoints2, descriptors2 = orb.detectAndCompute(im22_gray, None)
```

