

# Augument yolov7

```
17 hsv_h: 0.015 # image HSV-Hue augmentation (fraction)
18 hsv_s: 0.7 # image HSV-Saturation augmentation (fraction)
19 hsv_v: 0.4 # image HSV-Value augmentation (fraction)
20 degrees: 0.0 # image rotation (+/- deg)
21 translate: 0.2 # image translation (+/- fraction)
22 scale: 0.9 # image scale (+/- gain)
23 shear: 0.0 # image shear (+/- deg)
24 perspective: 0.0 # image perspective (+/- fraction), range 0-0.001
25 flipud: 0.0 # image flip up-down (probability)
26 fliplr: 0.0 # image flip left-right (probability)
27 mosaic: 1.0 # image mosaic (probability)
28 mixup: 0.15 # image mixup (probability)
```

# Hue



original



-25°



25°

# Saturation



original



-26%

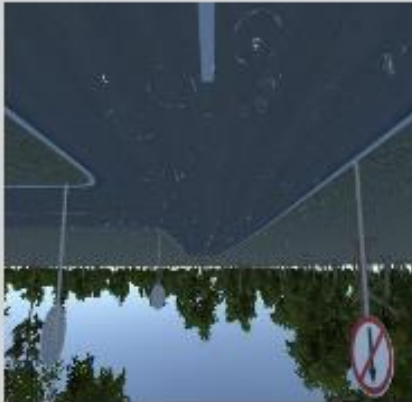


26%

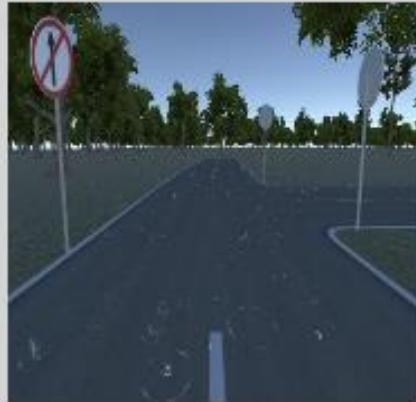
# Flip



preprocessed

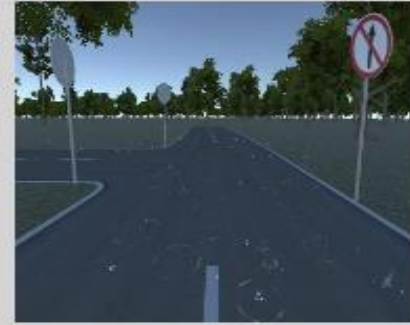


vertical



horizontal

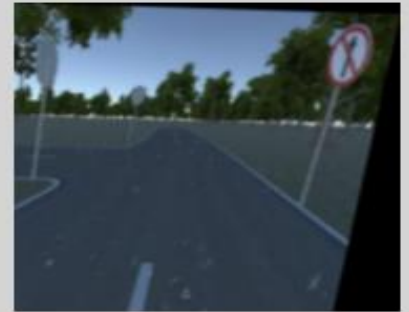
# Shear



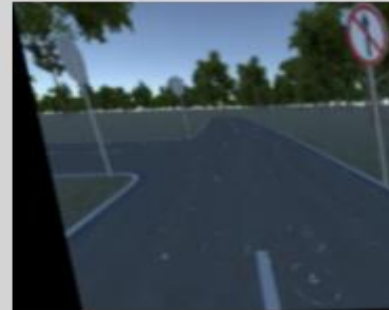
$0^\circ, 0^\circ$



$5^\circ, 25^\circ$



$5^\circ, -25^\circ$

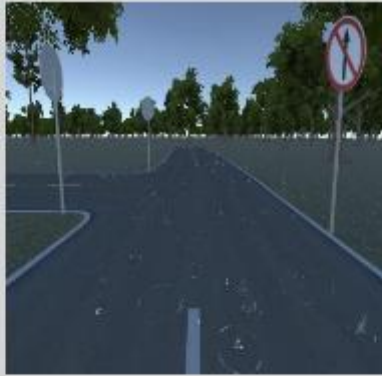


$-5^\circ, 25^\circ$

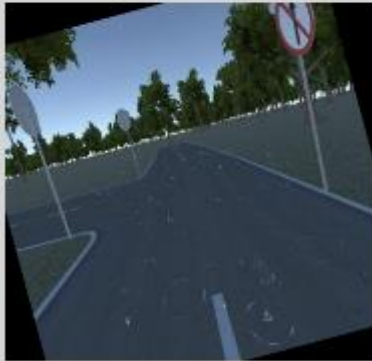


$-5^\circ, -25^\circ$

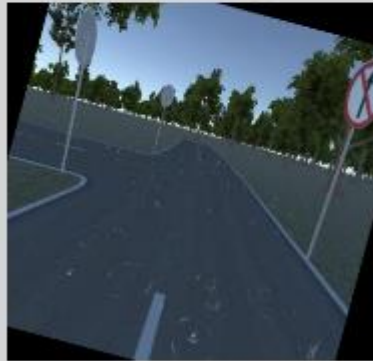
# Rotation



0°



-15°



15°

# Mosaic

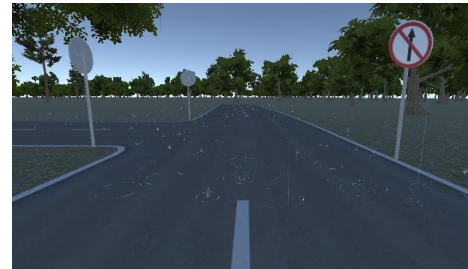




# Scale



# Mixup



# Image translation



# Albumentations Integration

