

```

1 train_pipeline = [
2     dict(type='LoadImageFromFile'),
3     dict(type='LoadAnnotations', with_bbox=True, with_mask=True),
4     dict(type='RandomFlip', flip_ratio=0.5),
5     dict(
6         type='AutoAugment',
7         policies=[[{
8             'type':
9             'Resize',
10            'img_scale': [(480, 1333), (512, 1333), (544, 1333), (576, 1333),
11                        (608, 1333), (640, 1333), (672, 1333), (704, 1333),
12                        (736, 1333), (768, 1333), (800, 1333)],
13            'multiscale_mode':
14            'value',
15            'keep_ratio':
16            True
17        }],
18            [{
19                'type': 'Resize',
20                'img_scale': [(400, 1333), (500, 1333), (600, 1333)],
21                'multiscale_mode': 'value',
22                'keep_ratio': True
23            }, {
24                'type': 'RandomCrop',
25                'crop_type': 'absolute_range',
26                'crop_size': (384, 600),
27                'allow_negative_crop': True
28            }, {
29                'type':
30                'Resize',
31                'img_scale': [(480, 1333), (512, 1333), (544, 1333),
32                        (576, 1333), (608, 1333), (640, 1333),
33                        (672, 1333), (704, 1333), (736, 1333),
34                        (768, 1333), (800, 1333)],
35                'multiscale_mode':
36                'value',
37                'override':
38                True,
39                'keep_ratio':
40                True
41            }
42        ]]),
43     dict(
44         type='RandomCrop',
45         crop_type='absolute_range',
46         crop_size=(1024, 1024),
47         allow_negative_crop=True),
48     dict(
49         type='Normalize',
50         mean=[127.5, 127.5, 127.5],
51         std=[127.5, 127.5, 127.5],
52         to_rgb=True),
53     dict(type='Pad', size_divisor=64),
54     dict(type='DefaultFormatBundle'),
55     dict(type='Collect', keys=['img', 'gt_bboxes', 'gt_labels', 'gt_masks'])
56 ]
57 test_pipeline = [
58     dict(type='LoadImageFromFile'),
59     dict(
60         type='MultiScaleFlipAug',
61         img_scale=(1333, 800),
62         flip=False,
63         transforms=[
64             dict(type='Resize', keep_ratio=True),
65             dict(type='RandomFlip'),
66             dict(
67                 type='Normalize',
68                 mean=[127.5, 127.5, 127.5],
69                 std=[127.5, 127.5, 127.5],
70                 to_rgb=True),
71             dict(type='Pad', size_divisor=64),
72             dict(type='ImageToTensor', keys=['img']),
73             dict(type='Collect', keys=['img'])
74         ]
75     )
76 ]

```

Figure 1: Settings of AutoAugment multi-scale training in MMDetection (Q4 of Reviewer H3y6).