

```
total_bbox = 3797330, rewritten_bbox = 0.059252 %  
v3 (iou loss, Normalizer: (iou: 0.07, obj: 1.00, cls: 1.00) Region 139 Avg (IOU: 0.899813), count: 22, class_loss = 0.318974, iou_loss = 6  
v3 (iou loss, Normalizer: (iou: 0.07, obj: 1.00, cls: 1.00) Region 150 Avg (IOU: 0.916675), count: 36, class_loss = 0.755045, iou_loss = 3  
v3 (iou loss, Normalizer: (iou: 0.07, obj: 1.00, cls: 1.00) Region 161 Avg (IOU: 0.904716), count: 8, class_loss = 0.734587, iou_loss = 16  
total_bbox = 3797330, rewritten_bbox = 0.059252 %
```

(next mAP calculation at 10000 iterations)

Tensor Cores are used.

Last accuracy mAP@0.50 = 99.98 %, best = 99.99 %

10000: 1.212980, 1.315115 avg loss, 0.000010 rate, 24.150860 seconds, 640000 images, 0.492168 hours left

Resizing to initial size: 608 x 608 try to allocate additional workspace_size = 81.03 MB

CUDA allocate done!

calculation mAP (mean average precision)...

Detection layer: 139 - type = 28

Detection layer: 150 - type = 28

Detection layer: 161 - type = 28

240

detections_count = 3095, unique_truth_count = 2812

class_id = 0, name = Player, ap = 100.00% (TP = 2308, FP = 20)

class_id = 1, name = Referee, ap = 99.99% (TP = 137, FP = 1)

class_id = 2, name = Linesmen, ap = 100.00% (TP = 88, FP = 0)

class_id = 3, name = Ball, ap = 99.89% (TP = 143, FP = 1)

class_id = 4, name = Goalkeeper, ap = 100.00% (TP = 134, FP = 2)

for conf_thresh = 0.25, precision = 0.99, recall = 1.00, F1-score = 1.00

for conf_thresh = 0.25, TP = 2810, FP = 24, FN = 2, average IoU = 92.60 %

IoU threshold = 50 %, used Area-Under-Curve for each unique Recall

mean average precision (mAP@0.50) = 0.999771, or 99.98 %

Total Detection Time: 11 Seconds

Set -points flag:

`-points 101` for MS COCO

`-points 11` for PascalVOC 2007 (uncomment `difficult` in voc.data)

`-points 0` (AUC) for ImageNet, PascalVOC 2010-2012, your custom dataset

mean_average_precision (mAP@0.50) = 0.999771

Saving weights to /my_drive/backup//yolo-obj_10000.weights

Saving weights to /my_drive/backup//yolo-obj_last.weights

Saving weights to /my_drive/backup//yolo-obj_final.weights

If you want to train from the beginning, then use flag in the end of training command: -clear