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Today i had trained PP_yolo custom model upto 303 epochs with colab . The minimum loss is 28 . But loss is continuously fluctuating in between 28 to 53.

```
loss_xy: 2.752846 loss_wh: 3.375911 loss_iou: 11.310593 loss_iou_aware: 1.976268 loss_obj: 17.173124 loss_cls: 5.840667 loss: 45.841721
loss_xy: 2.058050 loss_wh: 2.780504 loss_iou: 9.098429 loss_iou_aware: 1.789672 loss_obj: 14.420581 loss_cls: 4.213258 loss: 34.444252
loss_xy: 2.784485 loss_wh: 3.753234 loss_iou: 10.874551 loss_iou_aware: 2.189288 loss_obj: 18.904816 loss_cls: 6.151010 loss: 44.253487
loss_xy: 2.428113 loss_wh: 2.525130 loss_iou: 8.270681 loss_iou_aware: 1.949232 loss_obj: 17.046698 loss_cls: 5.863675 loss: 40.638519
loss_xy: 2.045708 loss_wh: 2.606211 loss_iou: 8.431328 loss_iou_aware: 1.636805 loss_obj: 14.554770 loss_cls: 4.030969 loss: 34.253410
loss_xy: 1.823222 loss_wh: 1.958194 loss_iou: 6.970050 loss_iou_aware: 1.589074 loss_obj: 13.220761 loss_cls: 3.240778 loss: 28.122959
loss_xy: 2.784689 loss_wh: 3.418882 loss_iou: 10.721751 loss_iou_aware: 2.012519 loss_obj: 18.622349 loss_cls: 4.861832 loss: 42.518417
loss_xy: 1.873055 loss_wh: 2.320249 loss_iou: 7.240238 loss_iou_aware: 1.576898 loss_obj: 15.166786 loss_cls: 3.862676 loss: 31.345730
loss_xy: 2.445026 loss_wh: 3.138288 loss_iou: 10.613064 loss_iou_aware: 1.837050 loss_obj: 15.543260 loss_cls: 4.062317 loss: 40.252995
loss_xy: 2.001467 loss_wh: 2.588568 loss_iou: 8.218235 loss_iou_aware: 1.462566 loss_obj: 13.842651 loss_cls: 4.408231 loss: 29.282818
loss_xy: 2.715099 loss_wh: 2.627702 loss_iou: 9.371492 loss_iou_aware: 2.112922 loss_obj: 19.088768 loss_cls: 4.560165 loss: 41.755566
loss_xy: 2.156625 loss_wh: 2.239769 loss_iou: 7.094283 loss_iou_aware: 1.502878 loss_obj: 15.565347 loss_cls: 3.458477 loss: 34.233631
loss_xy: 2.506826 loss_wh: 3.332621 loss_iou: 10.959322 loss_iou_aware: 1.904582 loss_obj: 17.476576 loss_cls: 5.658309 loss: 41.373699
loss_xy: 1.761188 loss_wh: 2.758091 loss_iou: 7.188597 loss_iou_aware: 1.594430 loss_obj: 13.926429 loss_cls: 4.089395 loss: 30.466415
loss_xy: 3.071328 loss_wh: 3.215933 loss_iou: 11.609175 loss_iou_aware: 2.286502 loss_obj: 19.335846 loss_cls: 4.535256 loss: 46.135033
loss_xy: 2.075270 loss_wh: 2.683199 loss_iou: 8.598396 loss_iou_aware: 1.691842 loss_obj: 15.727520 loss_cls: 4.779368 loss: 36.677025
loss_xy: 1.877315 loss_wh: 2.398987 loss_iou: 7.252603 loss_iou_aware: 1.452876 loss_obj: 13.839403 loss_cls: 3.605771 loss: 30.698421
loss_xy: 1.868303 loss_wh: 2.830191 loss_iou: 6.883569 loss_iou_aware: 1.445890 loss_obj: 14.247290 loss_cls: 3.986358 loss: 31.608734
loss_xy: 1.950176 loss_wh: 2.505897 loss_iou: 7.560000 loss_iou_aware: 1.624106 loss_obj: 14.746708 loss_cls: 3.759803 loss: 30.411558
loss_xy: 2.398069 loss_wh: 2.804923 loss_iou: 8.396120 loss_iou_aware: 1.765475 loss_obj: 15.451734 loss_cls: 3.541208 loss: 34.428085
loss_xy: 2.391448 loss_wh: 3.181396 loss_iou: 9.065062 loss_iou_aware: 1.784713 loss_obj: 16.131405 loss_cls: 4.173268 loss: 36.549423
```

Link :

https://github.com/Panneer003/Aero2astro_code/blob/main/PP_Yolo_with_official/PP_yolo_custom_1000_instaces_3.ipynb