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Today i had trained PP_yolo with 287 epochs , but loss still between 37 to 48. After team discussions , then tried with 1000 instances dataset. I had combined all dataset into single .Then trained PP_yolo with new dataset and json. At first, I had set lr = 0.001 and batch size = 4, it's gives nan loss from 13th epochs ,so changed to lr = 0.0002.

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9.633778 loss_iou_aware: 1.681425 loss_obj: 21.119205 loss_cls: 6.571586 loss: 45.548256 e
11.478935 loss_iou_aware: 1.993045 loss_obj: 22.472828 loss_cls: 7.246818 loss: 52.293625
13.803607 loss_iou_aware: 2.366142 loss_obj: 25.441605 loss_cls: 9.129442 loss: 60.448147
8.881094 loss_iou_aware: 1.641799 loss_obj: 17.558025 loss_cls: 6.409585 loss: 42.511982 e
10.872631 loss_iou_aware: 2.132042 loss_obj: 24.031563 loss_cls: 8.066772 loss: 51.057076
10.250780 loss_iou_aware: 1.935165 loss_obj: 23.410748 loss_cls: 7.591413 loss: 52.449051
9.719193 loss_iou_aware: 1.700583 loss_obj: 19.427717 loss_cls: 6.445097 loss: 43.337349 e
12.303293 loss_iou_aware: 2.001812 loss_obj: 23.310122 loss_cls: 7.864008 loss: 54.094612
11.641241 loss_iou_aware: 1.841440 loss_obj: 21.439278 loss_cls: 7.467833 loss: 48.409996
8.768594 loss_iou_aware: 1.720968 loss_obj: 19.572784 loss_cls: 5.855282 loss: 43.582512 e
10.664133 loss_iou_aware: 1.790844 loss_obj: 20.688679 loss_cls: 7.196516 loss: 49.263390
11.824682 loss_iou_aware: 2.050169 loss_obj: 23.789841 loss_cls: 8.173735 loss: 55.537308
10.734987 loss_iou_aware: 1.774737 loss_obj: 19.673479 loss_cls: 7.532238 loss: 47.432991
12.147809 loss_iou_aware: 1.992365 loss_obj: 21.941713 loss_cls: 7.269962 loss: 53.259003
11.075030 loss_iou_aware: 2.103875 loss_obj: 24.607483 loss_cls: 7.617810 loss: 52.924389
9.946918 loss_iou_aware: 1.898709 loss_obj: 22.261082 loss_cls: 6.512731 loss: 46.672401 e

9.075418 loss_iou_aware: 1.666619 loss_obj: 20.235649 loss_cls: 5.846521 loss: 43.146976 e
10.687670 loss_iou_aware: 1.940752 loss_obj: 22.175777 loss_cls: 6.983993 loss: 48.467995
8.460510 loss_iou_aware: 1.654327 loss_obj: 20.097721 loss_cls: 6.478600 loss: 43.000198 e
```

link (500 instances):

https://github.com/Panneer003/Aero2astro_code/blob/main/PP_Yolo_with_official/PP_Yolo_custom_500_instances.ipynb

link (1000 instances) :

https://github.com/Panneer003/Aero2astro_code/blob/main/PP_Yolo_with_official/PP_Yolo_custom_1000_instances.ipynb