

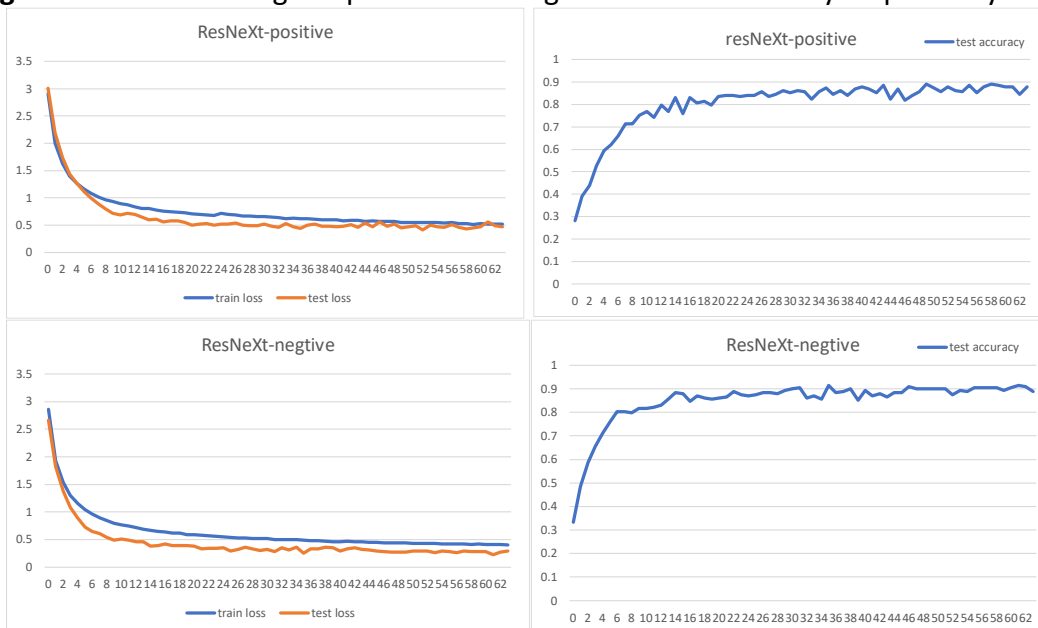
Testing Transfer Learning Result (ResNeXt, MnasNet)

Data Augmentation:

OpenCV: `cv2.getAffineTransform(src,dst), cv2.warpAffine()`

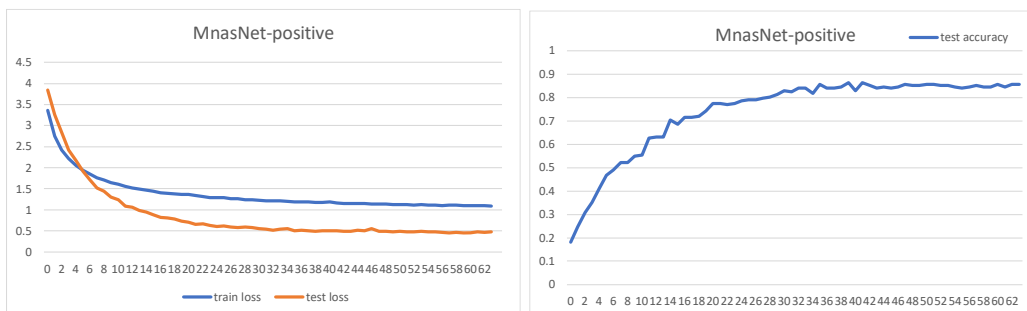


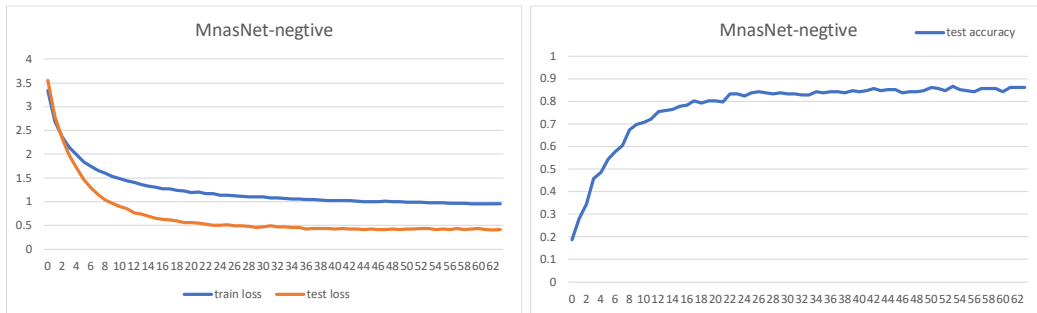
Compute the Loss of Training set and Validation set is important to avoid overfitting.
Using ResNeXt for training the positive and negative side of butterfly respectively:



Accuracy: Positive side of Butterfly with accuracy of 89.0%, and negative side of Butterfly with accuracy of 91.3%

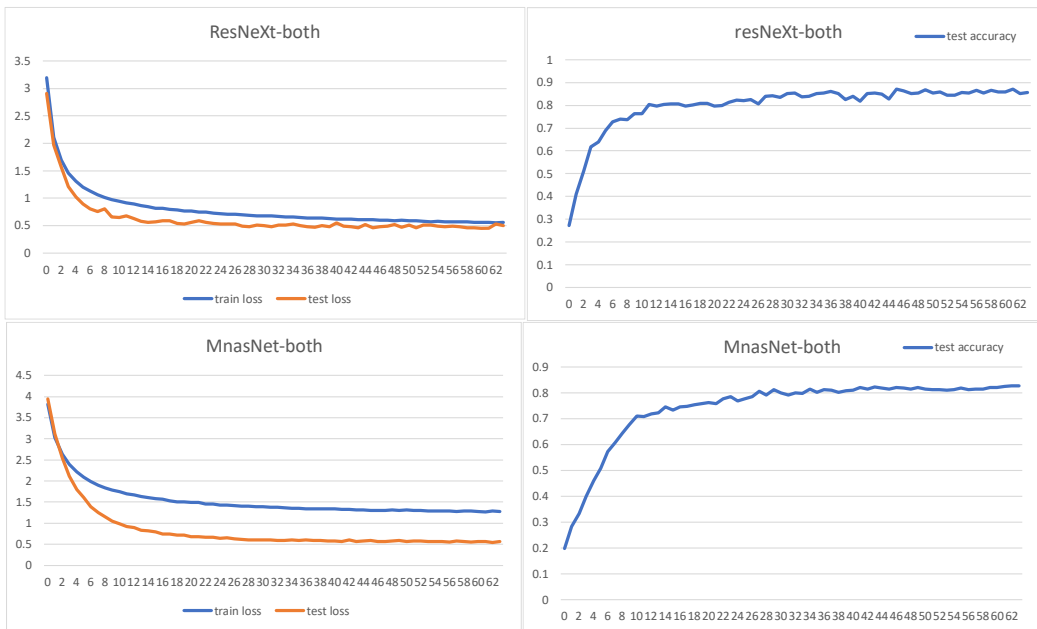
Using MnasNet for training the positive and negative side of butterfly respectively:





Accuracy: Positive side of Butterfly with accuracy of 85.7%, and negative side of Butterfly with accuracy of 86.1%

Training on both side of Butterfly without dividing them into positive or negative side. Although they might be on different distribution, I still want to see how the result (accuracy) to train them together.



Conclusion:

The total Training time goes to 200+ hours

These are the training time vs. training epochs

