XceptionNet implementation

- Architecture as in F. Chollet, "Xception: Deep Learning with Depthwise Separable Convolutions,"
- Training parameters:

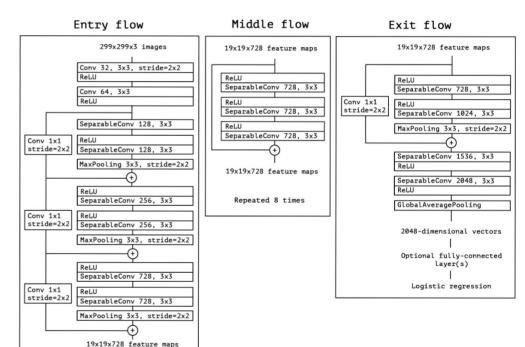
Starting Ir: 0.0001

Batch size: 32

Epochs: 30

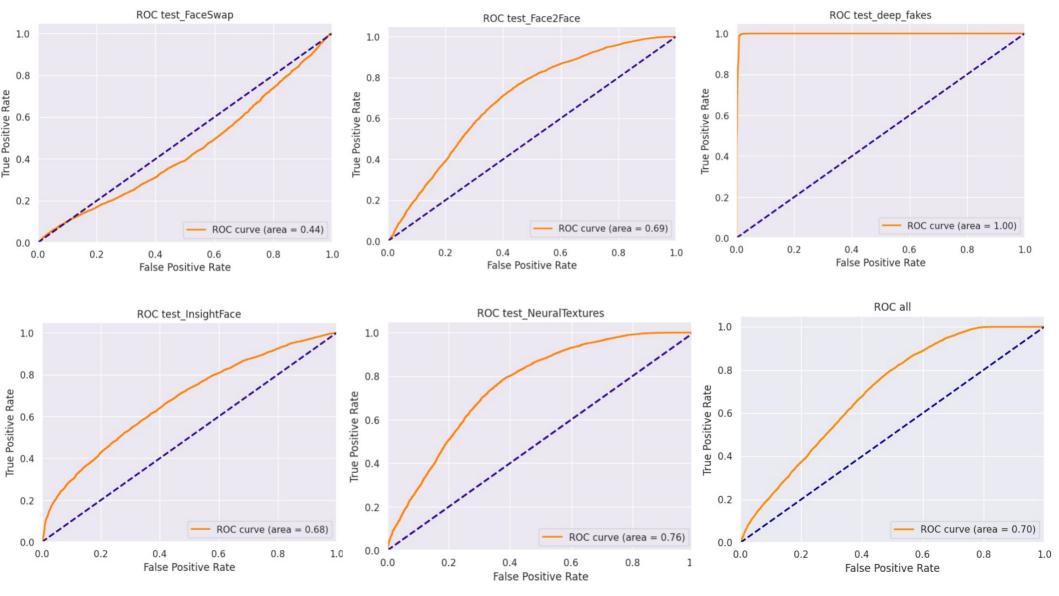
Loss function: Cross Entropy Loss

- Optimizer: AdamW (default values for the moments)
- Step Lr schedule: Y=0.94, step_size=2
- He Weight initialization
- Train dataset: DeepFake



Results

Method	AUC	AC	Loss
FaceSwap	0.4427	0.5522	7.5868
Face2Face	0.6946	0.5264	5.8658
DeepFake	0.9977	0.9894	0.0672
InsightFace	0.6767	0.5057	6.2374
NeuralTextures	0.7576	0.6162	4.3786
FaceShifter	0.5866	0.5041	7.0382
All	0.6978	0.3289	9.0836



To try

- Tried learning schedule: Reduce LR on Plateau (purple)
- Training with more epochs
- Different learning rates (0.0002)
- Results uncertainty estimation?

