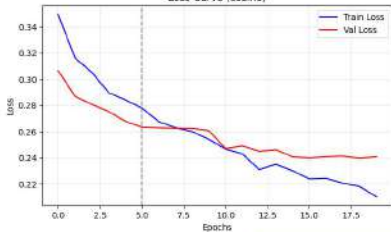
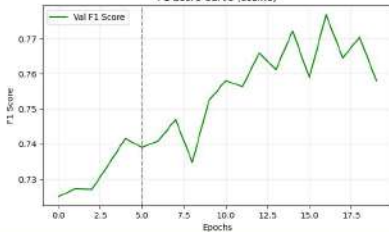


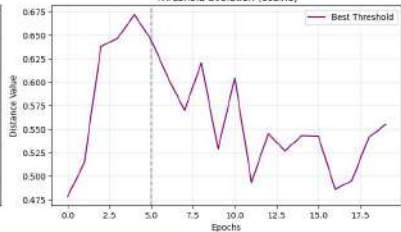
Loss Curve (cosine)



F1 Score Curve (cosine)



Threshold Evolution (cosine)



```

Config: Batch=64 | With Normalization on output | With lower backbone LR by a factor of 0.5 | Optimizer= SGD | weight decay: 0 | Margin=0.2 | LR: 1.0e-02 -> 1.0e-02 |
total dataset size: 10000 |
train transformations: Compose(
  Resize(size=(224, 224), interpolation=bilinear, max_size=None, antialias=True)
  RandomHorizontalFlip(p=0.3)
  RandomRotation(degrees=[-15.0, 15.0], interpolation=nearest, expand=False, fill=0)
  RandomGrayscale(p=0.1)
  ColorJitter(brightness=(0.8, 1.2), contrast=(0.8, 1.2), saturation=(0.8, 1.2), hue=(-0.1, 0.1))
  ToTensor()
  Normalize(mean=[0.485, 0.456, 0.406], std=[0.229, 0.224, 0.225])
)
|
Emb=Sequential(
  (0): Linear(in_features=2048, out_features=1024, bias=True)
  (1): ReLU()
  (2): Linear(in_features=1024, out_features=256, bias=True)
)
|
Freeze: 4 -> 3 (at ep 5)
LR decrease factor: 1
  
```