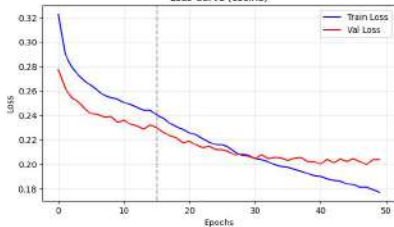
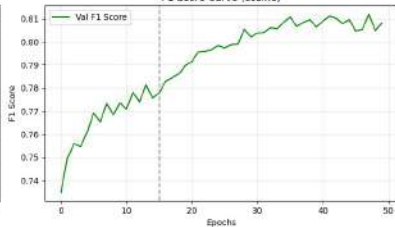


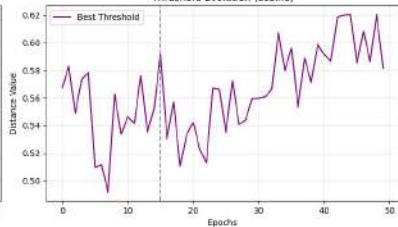
Loss Curve (cosine)



F1 Score Curve (cosine)



Threshold Evolution (cosine)



```

Config: Batch=256 | With Normalization on output | With lower backbone LR by a factor of 0.25 | Optimizer= SGD | weight decay: 0 | Margin=0.2 | LR: 1.0e-02 -> 1.0e-02 |
      total dataset size: full |
      train transformations: Compose(
        Resize(size=(224, 224), interpolation=bilinear, max_size=None, antialias=True)
        RandomPerspective(p=0.3)
        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 15)
      LR decrease factor: 1
  
```