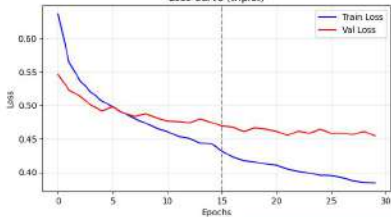
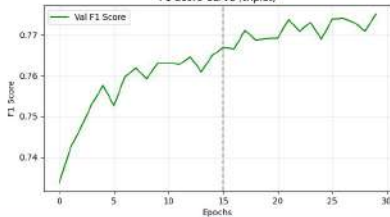


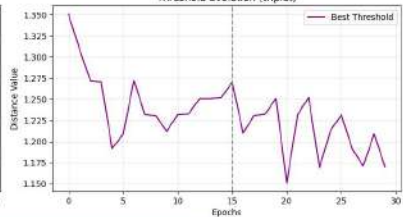
Loss Curve (triplet)



F1 Score Curve (triplet)



Threshold Evolution (triplet)



Config: Batch=256 | With Normalization on output | With lower backbone LR by a factor of 0.03 | Optimizer= SGD | weight decay: 0.0001 | Margin=1.0 | LR: 1.0e-01 -> 2.0e-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=256, bias=True)
  (1): BatchNorm1d(256, eps=1e-05, momentum=0.1, affine=True, track_running_stats=True)
  (2): ReLU()
  (3): Dropout(p=0.3, inplace=False)
  (4): Linear(in_features=256, out_features=128, bias=True)
]
freeze: 4 -> 3 (at ep 15)
LR decrease factor: 0.2

```