```
1 from google.colab import drive
2 drive.mount('/content/drive')
```

```
Mounted at /content/drive
```

Simptom

Show code

Fever Headache Abdominal_Pain Body_Malaise Dizziness Vomiting Confusion Backache Chest_Pain Coughing Joint_

Images: 5

Generate Show Stages



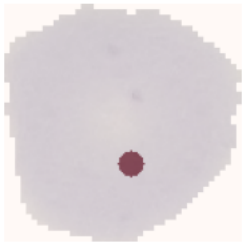
Supportive function

Show code

Blood Smear

Show code

Spatial Mask Generation (Circular Geometric Modeling)



Gaussian

Show code

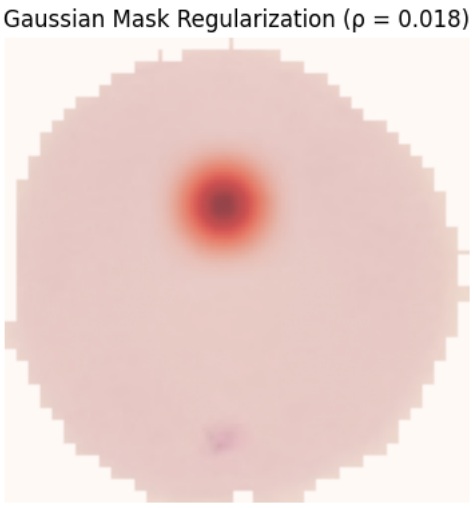
Gaussian-Based Mask Regularization



Mask Regularization

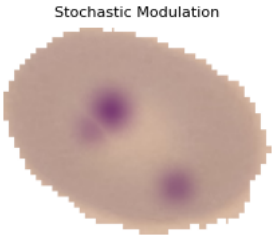
Show code

```
===== MASK COVERAGE COMPUTATION =====
Image size (H x W): 118 x 118
Sum S = ΣM_f(x,y): 253.0000
Total pixels HW: 13924
Coverage ratio ρ = S/(HW): 0.018170
=====================================
```



Stochastic

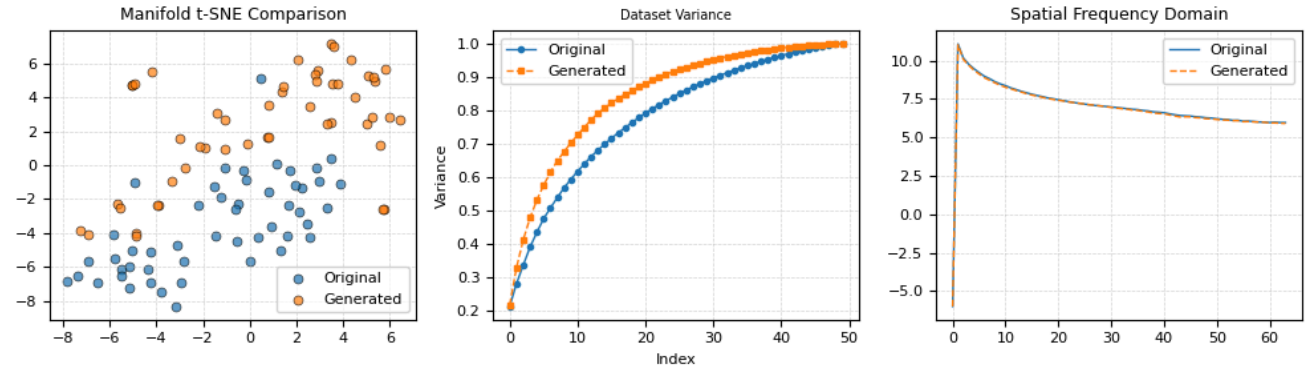
Show code



Validated

Show code

```
Validated FID: 157.9821
```




```
1 #Models traing#################################################################
```

Supportive

Show code

Show hidden output

Supportive

Show code

```
Downloading: "https://download.pytorch.org/models/swin_b-68c6b09e.pth" to /root/.cache/torch/hub/checkpoints/swin_b-68c6b09e.pth
100%|██████████| 335M/335M [00:06<00:00, 54.1MB/s]
Epoch 1/2 - Loss: 0.9300 - Acc: 0.7987
Epoch 2/2 - Loss: 1.5417 - Acc: 0.4089

── Swin-B ──
              precision    recall  f1-score   support

      Normal     0.1111    0.0050    0.0096       200
    Infected     0.3454    0.9292    0.5036       113

weighted avg     0.1957    0.3387    0.1879       313

[Ablation] Swin-B | best 79.87% | epoch-1 79.87% | gain 0.00%

── Fine-Grained Error Rate and Uncertainty Profiling ──
[Swin-B] Stratified Error Analysis:
  - Expected Calibration Error (ECE): 0.1653
  - Mean Misclassification Confidence: 50.45% (Entropy: 0.6931)
  - Mean Correct Classification Confidence: 50.29% (Entropy: 0.6931)
    * Class 'Normal' Conditional Error Rate: 99.50%
    * Class 'Infected' Conditional Error Rate: 7.08%
/usr/local/lib/python3.12/dist-packages/sklearn/manifold/_t_sne.py:1164: FutureWarning: 'n_iter' was renamed to 'max_iter' in ve
  warnings.warn(
```

1 Start coding or generate with AI.

