

```
traj = model_3d(t_test.cpu()).numpy()

fig = plt.figure(figsize=(8,6))
ax = fig.add_subplot(111, projection='3d')
ax.plot(traj[:, 0], traj[:, 1], traj[:, 2], label='3D Trajectory')
ax.set_xlabel('X (m)')
ax.set_ylabel('Y (m)')
ax.set_zlabel('Z (m)')
ax.set_title('3D Projectile Motion with Drag and Wind')
ax.legend()
plt.show()
```

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Epoch 0 | Loss: 386.997253
Epoch 500 | Loss: 14.599416
Epoch 1000 | Loss: 0.578818
Epoch 1500 | Loss: 0.019458
Epoch 2000 | Loss: 0.002667
Epoch 2500 | Loss: 0.008762
Epoch 3000 | Loss: 0.013294
Epoch 3500 | Loss: 0.000622
Epoch 4000 | Loss: 0.001997
Epoch 4500 | Loss: 0.009114
Epoch 5000 | Loss: 0.001871
Epoch 5500 | Loss: 0.030906
Epoch 6000 | Loss: 0.114259
Epoch 6500 | Loss: 0.025017
Epoch 7000 | Loss: 0.013654
Epoch 7500 | Loss: 0.000368
```