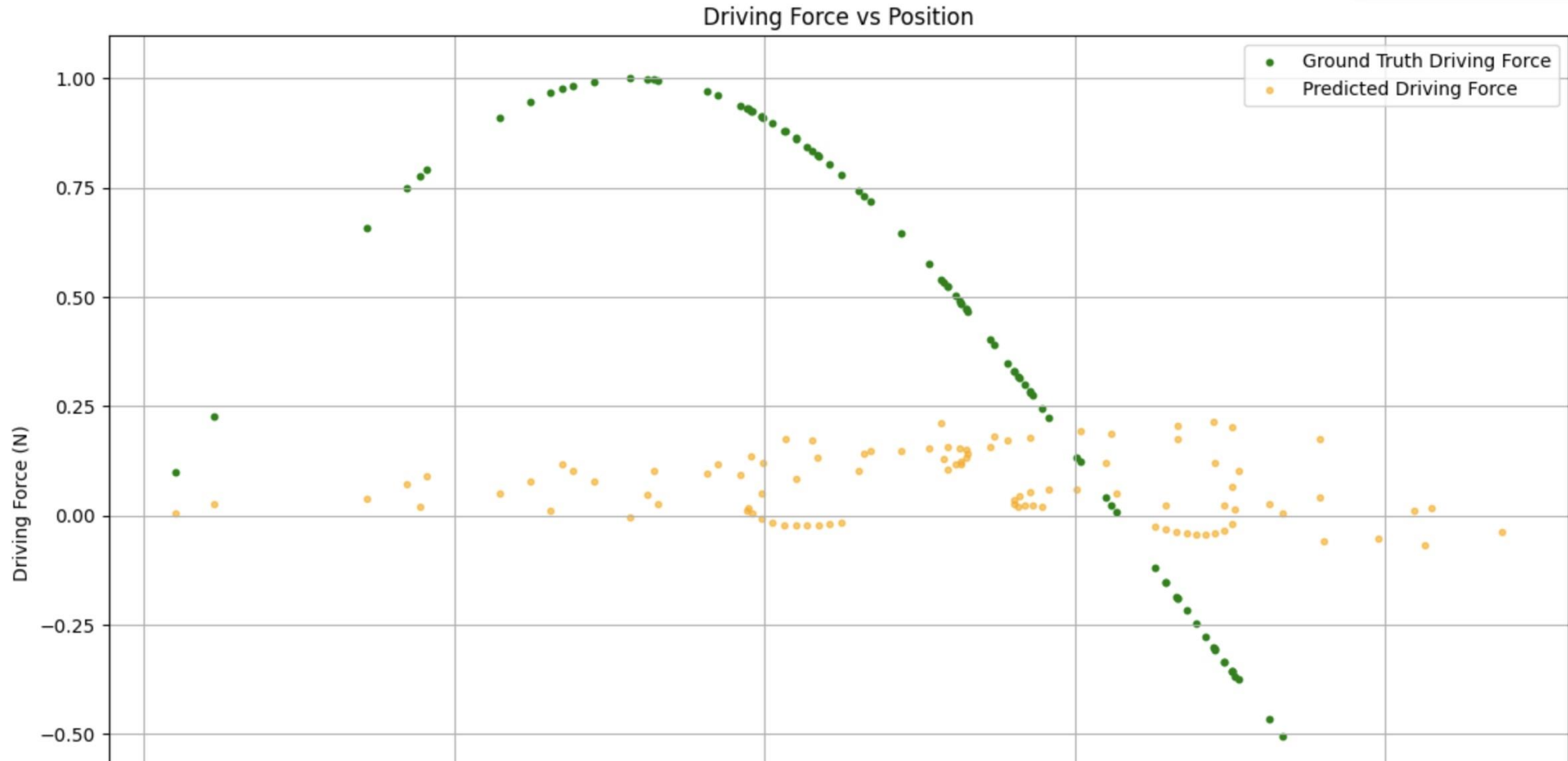
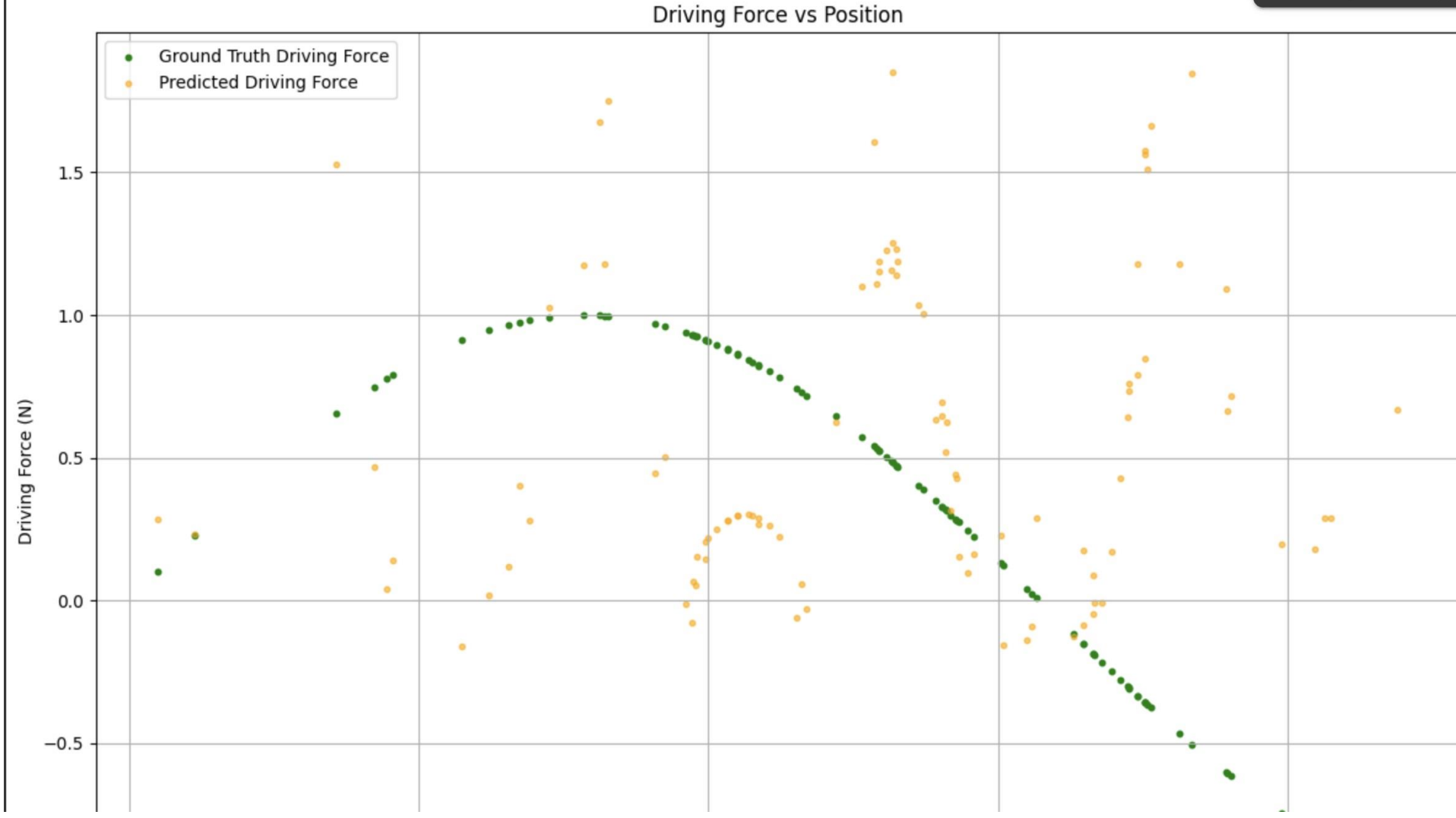


Fixed Single Trajectory: Reduced to 3 time steps



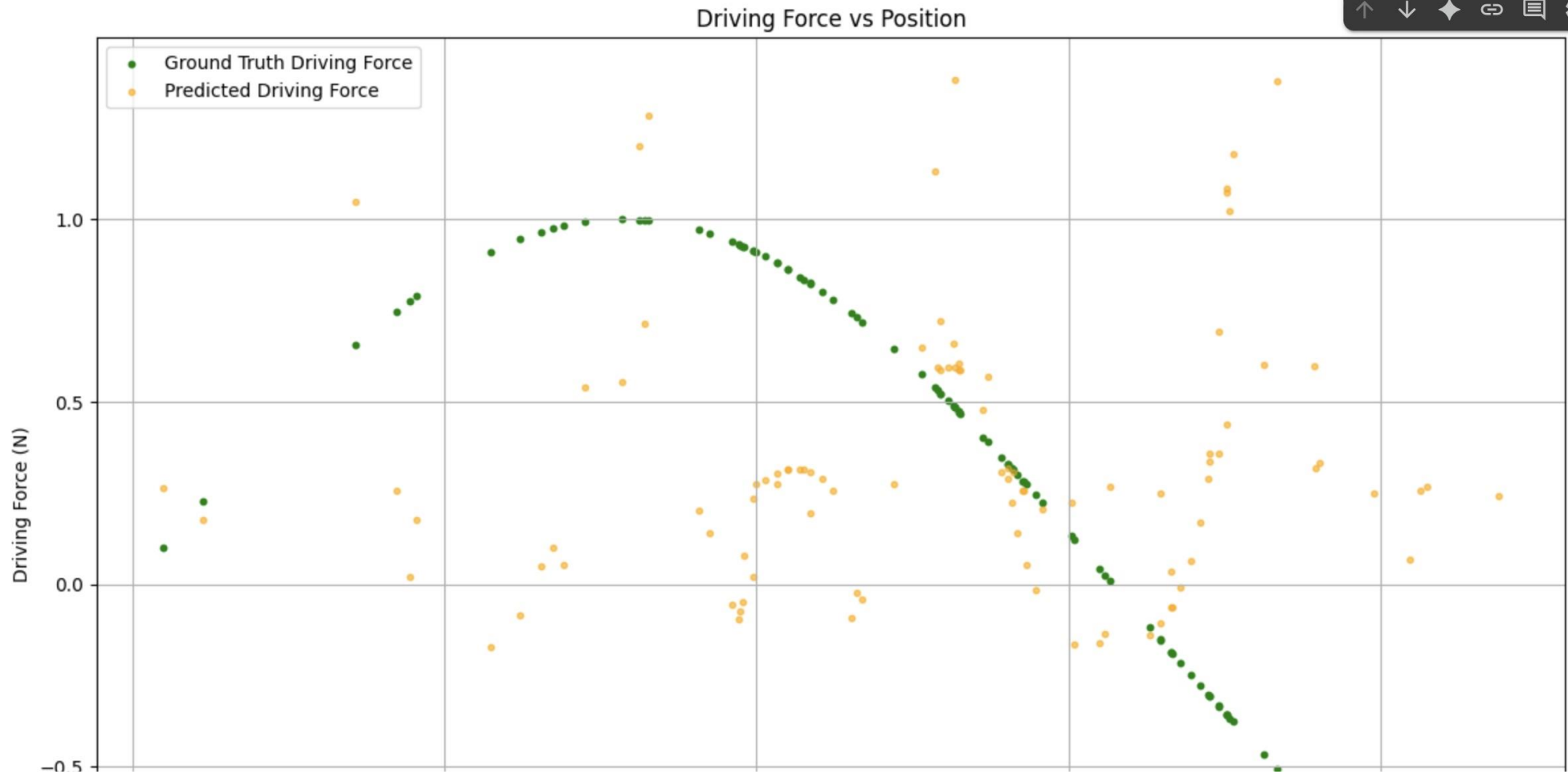
Fixed Single Trajectory: Reduced to 3 time steps +sinusoidal activation + reduced learning rate – $1e^{-4}$

| | | | |
|-------|------|-------|-----------|
| Epoch | 969, | Loss: | 3.856859 |
| Epoch | 970, | Loss: | 0.930926 |
| Epoch | 971, | Loss: | 1.620269 |
| Epoch | 972, | Loss: | 1.041490 |
| Epoch | 973, | Loss: | 10.159083 |
| Epoch | 974, | Loss: | 5.008472 |
| Epoch | 975, | Loss: | 4.483032 |
| Epoch | 976, | Loss: | 1.764755 |
| Epoch | 977, | Loss: | 1.358179 |
| Epoch | 978, | Loss: | 2.222212 |
| Epoch | 979, | Loss: | 0.993526 |
| Epoch | 980, | Loss: | 9.281290 |
| Epoch | 981, | Loss: | 3.544929 |
| Epoch | 982, | Loss: | 8.585686 |
| Epoch | 983, | Loss: | 3.322066 |
| Epoch | 984, | Loss: | 8.537311 |
| Epoch | 985, | Loss: | 15.449221 |
| Epoch | 986, | Loss: | 5.999365 |
| Epoch | 987, | Loss: | 22.708376 |
| Epoch | 988, | Loss: | 4.872294 |
| Epoch | 989, | Loss: | 5.971644 |
| Epoch | 990, | Loss: | 6.137013 |
| Epoch | 991, | Loss: | 4.461740 |
| Epoch | 992, | Loss: | 0.505416 |
| Epoch | 993, | Loss: | 12.926611 |
| Epoch | 994, | Loss: | 14.406734 |
| Epoch | 995, | Loss: | 8.141440 |
| Epoch | 996, | Loss: | 8.775782 |
| Epoch | 997, | Loss: | 10.548656 |
| Epoch | 998, | Loss: | 0.960075 |
| Epoch | 999, | Loss: | 17.199402 |



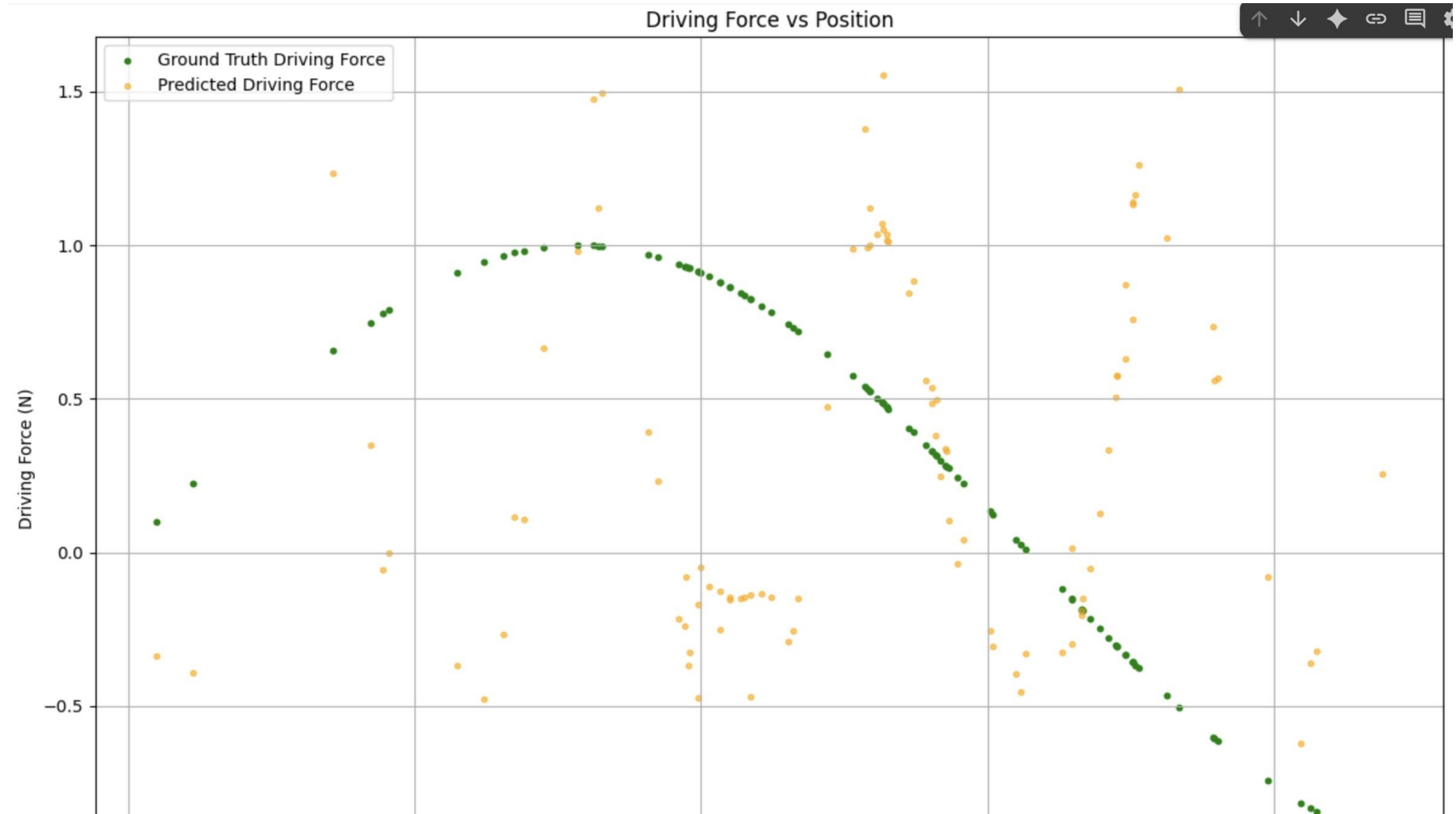
Fixed Single Trajectory: Reduced to 3 time steps + sinusoidal activation + reduced learning rate – $1e^{-4}$ + swish

| | | | |
|-------|------|-------|-----------|
| Epoch | 967, | Loss: | 2.359989 |
| Epoch | 968, | Loss: | 1.084260 |
| Epoch | 969, | Loss: | 3.512343 |
| Epoch | 970, | Loss: | 1.545683 |
| Epoch | 971, | Loss: | 0.906658 |
| Epoch | 972, | Loss: | 1.748815 |
| Epoch | 973, | Loss: | 7.018745 |
| Epoch | 974, | Loss: | 3.637818 |
| Epoch | 975, | Loss: | 12.016870 |
| Epoch | 976, | Loss: | 1.508411 |
| Epoch | 977, | Loss: | 1.176778 |
| Epoch | 978, | Loss: | 1.252888 |
| Epoch | 979, | Loss: | 2.635334 |
| Epoch | 980, | Loss: | 5.154478 |
| Epoch | 981, | Loss: | 3.430375 |
| Epoch | 982, | Loss: | 2.067109 |
| Epoch | 983, | Loss: | 1.406667 |
| Epoch | 984, | Loss: | 10.245532 |
| Epoch | 985, | Loss: | 7.541118 |
| Epoch | 986, | Loss: | 0.963414 |
| Epoch | 987, | Loss: | 9.916840 |
| Epoch | 988, | Loss: | 4.863800 |
| Epoch | 989, | Loss: | 3.120901 |
| Epoch | 990, | Loss: | 1.407256 |
| Epoch | 991, | Loss: | 6.769411 |
| Epoch | 992, | Loss: | 1.213244 |
| Epoch | 993, | Loss: | 2.982543 |
| Epoch | 994, | Loss: | 2.627049 |
| Epoch | 995, | Loss: | 6.580350 |
| Epoch | 996, | Loss: | 2.434414 |
| Epoch | 997, | Loss: | 1.962702 |
| Epoch | 998, | Loss: | 1.030516 |
| Epoch | 999, | Loss: | 10.285254 |



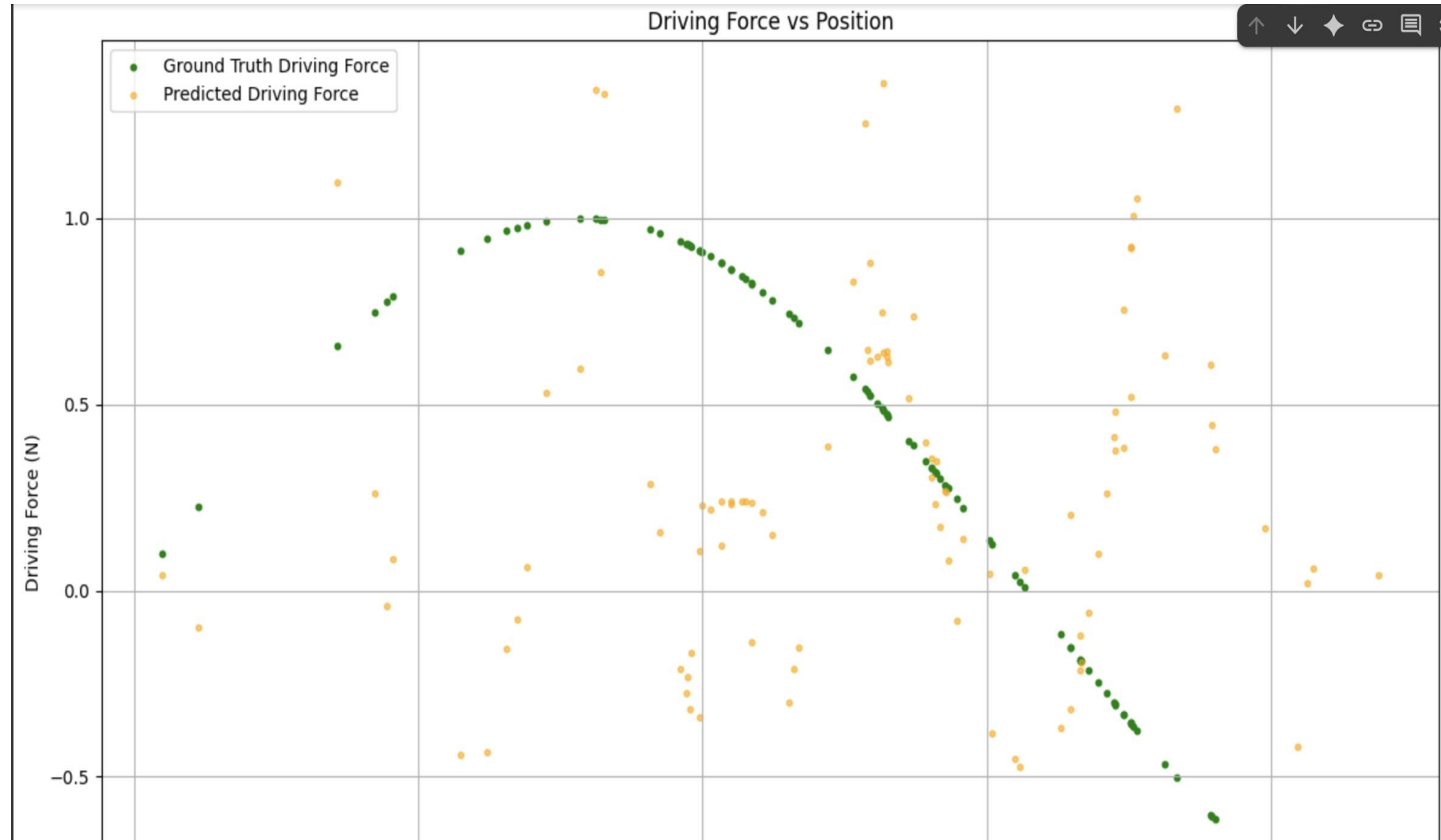
Fixed Single Trajectory: Reduced to 3 time steps + sinusoidal activation + reduced learning rate – $1e^{-4}$ + swish + reduced layers

| | |
|------------|-----------------|
| Epoch 969, | Loss: 8.591254 |
| Epoch 970, | Loss: 6.956249 |
| Epoch 971, | Loss: 3.356863 |
| Epoch 972, | Loss: 2.033206 |
| Epoch 973, | Loss: 2.339095 |
| Epoch 974, | Loss: 3.076625 |
| Epoch 975, | Loss: 9.164490 |
| Epoch 976, | Loss: 3.121345 |
| Epoch 977, | Loss: 3.861310 |
| Epoch 978, | Loss: 0.757660 |
| Epoch 979, | Loss: 2.759917 |
| Epoch 980, | Loss: 3.697741 |
| Epoch 981, | Loss: 3.615793 |
| Epoch 982, | Loss: 2.062858 |
| Epoch 983, | Loss: 0.688770 |
| Epoch 984, | Loss: 9.026896 |
| Epoch 985, | Loss: 7.436473 |
| Epoch 986, | Loss: 2.506622 |
| Epoch 987, | Loss: 11.547576 |
| Epoch 988, | Loss: 2.462542 |
| Epoch 989, | Loss: 0.768511 |
| Epoch 990, | Loss: 2.254908 |
| Epoch 991, | Loss: 9.951866 |
| Epoch 992, | Loss: 2.882646 |
| Epoch 993, | Loss: 2.401449 |
| Epoch 994, | Loss: 3.724812 |
| Epoch 995, | Loss: 7.904890 |
| Epoch 996, | Loss: 2.190799 |
| Epoch 997, | Loss: 2.449464 |
| Epoch 998, | Loss: 2.735903 |
| Epoch 999, | Loss: 9.973601 |



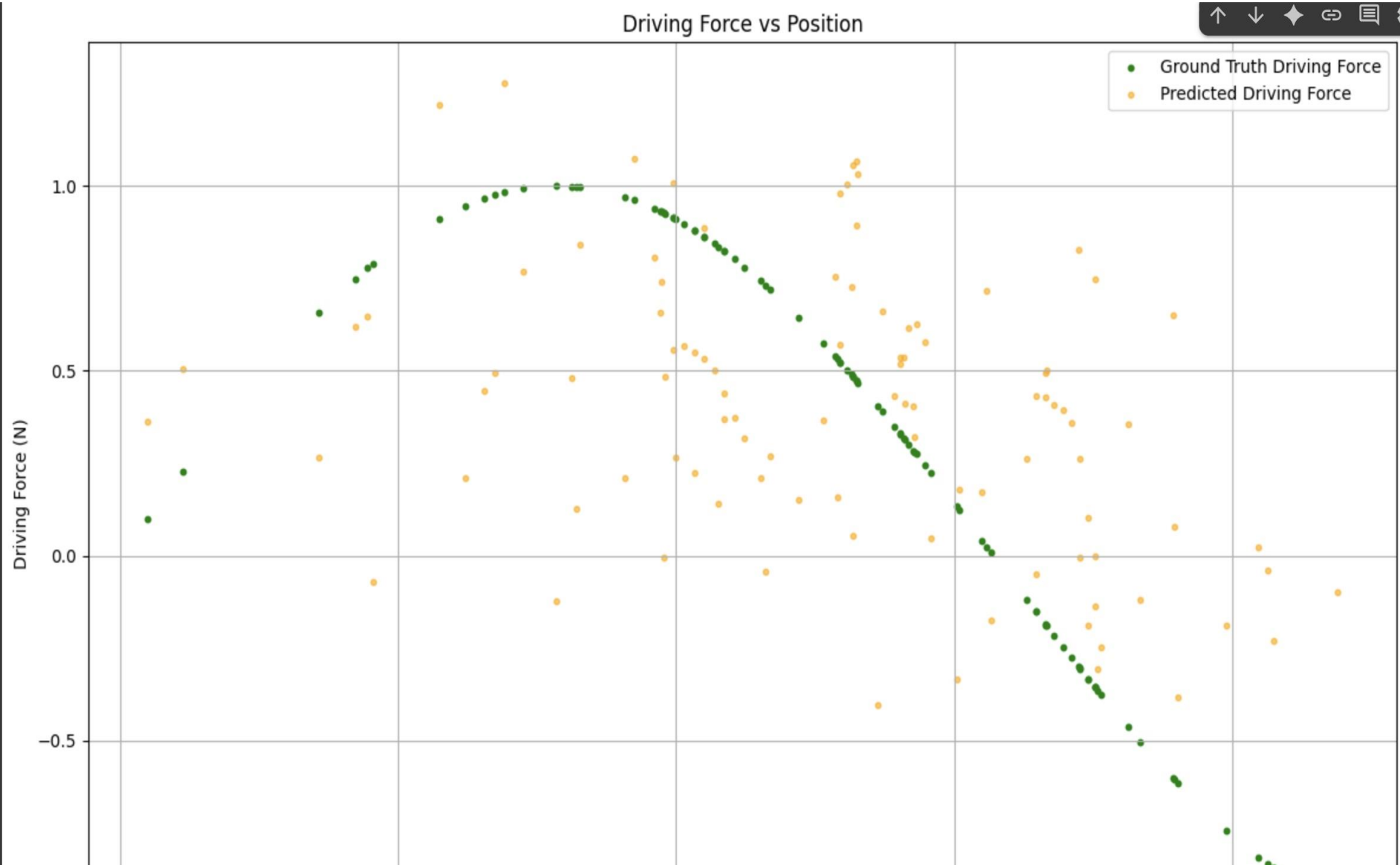
Fixed Single Trajectory: Reduced to 3 time steps + sinusoidal activation + reduced learning rate – $1e^{-4}$ + gelu + reduced layers

| | | | |
|-------|------|-------|-----------|
| Epoch | 970, | Loss: | 0.945341 |
| Epoch | 971, | Loss: | 0.821012 |
| Epoch | 972, | Loss: | 1.586459 |
| Epoch | 973, | Loss: | 6.006529 |
| Epoch | 974, | Loss: | 3.463122 |
| Epoch | 975, | Loss: | 12.521463 |
| Epoch | 976, | Loss: | 0.355717 |
| Epoch | 977, | Loss: | 1.003224 |
| Epoch | 978, | Loss: | 0.217586 |
| Epoch | 979, | Loss: | 0.329872 |
| Epoch | 980, | Loss: | 5.805544 |
| Epoch | 981, | Loss: | 3.243433 |
| Epoch | 982, | Loss: | 2.018644 |
| Epoch | 983, | Loss: | 0.314668 |
| Epoch | 984, | Loss: | 6.202967 |
| Epoch | 985, | Loss: | 7.475220 |
| Epoch | 986, | Loss: | 1.612427 |
| Epoch | 987, | Loss: | 13.242188 |
| Epoch | 988, | Loss: | 1.950958 |
| Epoch | 989, | Loss: | 0.994021 |
| Epoch | 990, | Loss: | 1.408800 |
| Epoch | 991, | Loss: | 10.879343 |
| Epoch | 992, | Loss: | 1.003964 |
| Epoch | 993, | Loss: | 3.363754 |
| Epoch | 994, | Loss: | 2.426066 |
| Epoch | 995, | Loss: | 10.365050 |
| Epoch | 996, | Loss: | 2.448433 |
| Epoch | 997, | Loss: | 1.318809 |
| Epoch | 998, | Loss: | 1.113648 |
| Epoch | 999, | Loss: | 6.414592 |



Increasing Single Trajectory: sinusoidal activation + reduced learning rate – $1e^{-4}$

| | | | |
|-------|------|-------|----------|
| Epoch | 294, | Loss: | 0.811727 |
| Epoch | 295, | Loss: | 0.779166 |
| Epoch | 296, | Loss: | 2.644815 |
| Epoch | 297, | Loss: | 2.365685 |
| Epoch | 298, | Loss: | 3.434644 |
| Epoch | 299, | Loss: | 0.579646 |
| Epoch | 300, | Loss: | 2.506706 |
| Epoch | 301, | Loss: | 2.647636 |
| Epoch | 302, | Loss: | 2.308270 |
| Epoch | 303, | Loss: | 2.807184 |
| Epoch | 304, | Loss: | 2.868884 |
| Epoch | 305, | Loss: | 2.029051 |
| Epoch | 306, | Loss: | 1.685628 |
| Epoch | 307, | Loss: | 1.035527 |
| Epoch | 308, | Loss: | 1.370306 |
| Epoch | 309, | Loss: | 2.636009 |
| Epoch | 310, | Loss: | 2.487083 |
| Epoch | 311, | Loss: | 0.957928 |
| Epoch | 312, | Loss: | 2.244139 |
| Epoch | 313, | Loss: | 0.618160 |
| Epoch | 314, | Loss: | 1.329972 |
| Epoch | 315, | Loss: | 2.605894 |
| Epoch | 316, | Loss: | 4.653629 |
| Epoch | 317, | Loss: | 2.447896 |
| Epoch | 318, | Loss: | 4.299451 |
| Epoch | 319, | Loss: | 1.327213 |
| Epoch | 320, | Loss: | 2.648095 |
| Epoch | 321, | Loss: | 5.729681 |
| Epoch | 322, | Loss: | 1.863333 |
| Epoch | 323, | Loss: | 1.351478 |
| Epoch | 324, | Loss: | 1.214077 |
| Epoch | 325, | Loss: | 2.180187 |
| Epoch | 326, | Loss: | 1.195163 |
| Epoch | 327, | Loss: | 1.640119 |
| Epoch | 328, | Loss: | 1.340315 |
| Epoch | 329, | Loss: | 0.792850 |
| Epoch | 330, | Loss: | 2.052205 |
| Epoch | 331, | Loss: | 0.963969 |
| Epoch | 332, | Loss: | 0.825415 |
| Epoch | 333, | Loss: | 1.068519 |



Increasing Single Trajectory: sinusoidal activation + reduced learning rate – $1e^{-4}$ + swish

| | | | |
|-------|------|-------|----------|
| Epoch | 294, | Loss: | 0.811727 |
| Epoch | 295, | Loss: | 0.779166 |
| Epoch | 296, | Loss: | 2.644815 |
| Epoch | 297, | Loss: | 2.365685 |
| Epoch | 298, | Loss: | 3.434644 |
| Epoch | 299, | Loss: | 0.579646 |
| Epoch | 300, | Loss: | 2.506706 |
| Epoch | 301, | Loss: | 2.647636 |
| Epoch | 302, | Loss: | 2.308270 |
| Epoch | 303, | Loss: | 2.807184 |
| Epoch | 304, | Loss: | 2.868884 |
| Epoch | 305, | Loss: | 2.029051 |
| Epoch | 306, | Loss: | 1.685628 |
| Epoch | 307, | Loss: | 1.035527 |
| Epoch | 308, | Loss: | 1.370306 |
| Epoch | 309, | Loss: | 2.636009 |
| Epoch | 310, | Loss: | 2.487083 |
| Epoch | 311, | Loss: | 0.957928 |
| Epoch | 312, | Loss: | 2.244139 |
| Epoch | 313, | Loss: | 0.618160 |
| Epoch | 314, | Loss: | 1.329972 |
| Epoch | 315, | Loss: | 2.605894 |
| Epoch | 316, | Loss: | 4.653629 |
| Epoch | 317, | Loss: | 2.447896 |
| Epoch | 318, | Loss: | 4.299451 |
| Epoch | 319, | Loss: | 1.327213 |
| Epoch | 320, | Loss: | 2.648095 |
| Epoch | 321, | Loss: | 5.729681 |
| Epoch | 322, | Loss: | 1.863333 |
| Epoch | 323, | Loss: | 1.351478 |
| Epoch | 324, | Loss: | 1.214077 |
| Epoch | 325, | Loss: | 2.180187 |
| Epoch | 326, | Loss: | 1.195163 |
| Epoch | 327, | Loss: | 1.640119 |
| Epoch | 328, | Loss: | 1.340315 |
| Epoch | 329, | Loss: | 0.792850 |
| Epoch | 330, | Loss: | 2.052205 |
| Epoch | 331, | Loss: | 0.963969 |
| Epoch | 332, | Loss: | 0.825415 |
| Epoch | 333, | Loss: | 1.068519 |

