

File - main

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1 C:\Users\Salvo\AppData\Local\Microsoft\WindowsApps\python3.8.exe "C:/Users/Salvo/GitHub/MicroRacer_Corinaldesi_Fiorilla
  - Copy/ppo/main.py"
2 2022-01-31 09:38:56.309231: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic
  library 'cudart64_110.dll'; dLError: cudart64_110.dll not found
3 2022-01-31 09:38:56.309380: I tensorflow/stream_executor/cuda/cudart_stub.cc:29] Ignore above cudart dLError if you do
  not have a GPU set up on your machine.
4 2022-01-31 09:38:59.717358: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic
  library 'cudart64_110.dll'; dLError: cudart64_110.dll not found
5 2022-01-31 09:38:59.717631: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic
  library 'cublas64_11.dll'; dLError: cublas64_11.dll not found
6 2022-01-31 09:38:59.717881: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic
  library 'cublasLt64_11.dll'; dLError: cublasLt64_11.dll not found
7 2022-01-31 09:38:59.718138: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic
  library 'cufft64_10.dll'; dLError: cufft64_10.dll not found
8 2022-01-31 09:38:59.718387: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic
  library 'curand64_10.dll'; dLError: curand64_10.dll not found
9 2022-01-31 09:38:59.718631: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic
  library 'cusolver64_11.dll'; dLError: cusolver64_11.dll not found
10 2022-01-31 09:38:59.718885: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic
  library 'cuspars64_11.dll'; dLError: cuspars64_11.dll not found
11 2022-01-31 09:38:59.719138: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic
  library 'cudnn64_8.dll'; dLError: cudnn64_8.dll not found
12 2022-01-31 09:38:59.719270: W tensorflow/core/common_runtime/gpu/gpu_device.cc:1835] Cannot dlopen some GPU libraries.
  Please make sure the missing libraries mentioned above are installed properly if you would like to use GPU. Follow the
  guide at https://www.tensorflow.org/install/gpu for how to download and setup the required libraries for your platform.
13 Skipping registering GPU devices...
14 2022-01-31 09:38:59.719752: I tensorflow/core/platform/cpu_feature_guard.cc:142] This TensorFlow binary is optimized
  with oneAPI Deep Neural Network Library (oneDNN) to use the following CPU instructions in performance-critical
  operations:  AVX AVX2
15 To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
16 Loading NN from: saved_model
17 CURRENT ACTOR-CRITC NETWORK IN USE
18 Model: "ActorNet"
19 -----
20 Layer (type)                Output Shape                Param #                    Connected to
21 -----
22 input_1 (InputLayer)        [(None, 5)]                 0                          0
23 -----
24 layer_1 (Dense)              (None, 512)                 3072                       input_1[0][0]
25 -----
26 layer_2 (Dense)              (None, 512)                 262656                     layer_1[0][0]
27 -----
28 layer_3 (Dense)              (None, 512)                 262656                     layer_2[0][0]
29 -----
30 layer_4 (Dense)              (None, 512)                 262656                     layer_3[0][0]
31 -----
32 acc_out_mu (Dense)           (None, 1)                   513                        layer_4[0][0]
33 -----
34 dir_out_mu (Dense)           (None, 1)                   513                        layer_4[0][0]
35 -----
36 concatenate (Concatenate)    (None, 2)                   0                          acc_out_mu[0][0]
37                                     dir_out_mu[0][0]
38 =====
39 Total params: 792,066
40 Trainable params: 792,066
41 Non-trainable params: 0
42 -----
43 Model: "CriticNet"
44 -----
45 Layer (type)                Output Shape                Param #
46 -----
47 input_2 (InputLayer)        [(None, 5)]                 0
48 -----
49 layer_1 (Dense)              (None, 512)                 3072
50 -----
51 layer_2 (Dense)              (None, 512)                 262656
52 -----
53 layer_3 (Dense)              (None, 512)                 262656
54 -----
55 dense (Dense)                (None, 1)                   513
56 =====
57 Total params: 528,897
58 Trainable params: 528,897
59 Non-trainable params: 0
60 -----
61 2022-01-31 09:39:00.904154: I tensorflow/compiler/mlir/mlir_graph_optimization_pass.cc:185] None of the MLIR
  Optimization Passes are enabled (registered 2)
62 2022-01-31 09:39:00.962218: W tensorflow/core/grappler/optimizers/loop_optimizer.cc:907] Skipping loop optimization for
  Merge node with control input: direction_norm/assert_greater/Assert/AssertGuard/branch_executed/_57
63 completed
64 completed
65 completed
66 completed
67 completed
68 completed
69 completed
70 test saved_model : mean steps : 133. mean rewards : -0.5933706164360046
71 Loading NN from: saved_best_model
72 CURRENT ACTOR-CRITC NETWORK IN USE

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73 Model: "ActorNet"
74 -----
75 Layer (type)                Output Shape          Param #    Connected to
76 -----
77 input_1 (InputLayer)        [(None, 5)]           0
78 -----
79 layer_1 (Dense)              (None, 512)           3072       input_1[0][0]
80 -----
81 layer_2 (Dense)              (None, 512)           262656     layer_1[0][0]
82 -----
83 layer_3 (Dense)              (None, 512)           262656     layer_2[0][0]
84 -----
85 layer_4 (Dense)              (None, 512)           262656     layer_3[0][0]
86 -----
87 acc_out_mu (Dense)          (None, 1)             513        layer_4[0][0]
88 -----
89 dir_out_mu (Dense)          (None, 1)             513        layer_4[0][0]
90 -----
91 concatenate (Concatenate)   (None, 2)             0          acc_out_mu[0][0]
92                                     dir_out_mu[0][0]
93 =====
94 Total params: 792,066
95 Trainable params: 792,066
96 Non-trainable params: 0
97 -----
98 Model: "CriticNet"
99 -----
100 Layer (type)                Output Shape          Param #
101 -----
102 input_2 (InputLayer)        [(None, 5)]           0
103 -----
104 layer_1 (Dense)              (None, 512)           3072
105 -----
106 layer_2 (Dense)              (None, 512)           262656
107 -----
108 layer_3 (Dense)              (None, 512)           262656
109 -----
110 dense (Dense)                (None, 1)             513
111 -----
112 Total params: 528,897
113 Trainable params: 528,897
114 Non-trainable params: 0
115 -----
116 2022-01-31 09:39:45.401216: W tensorflow/core/grappler/optimizers/loop_optimizer.cc:907] Skipping loop optimization for
Merge node with control input: direction_norm/assert_greater/Assert/AssertGuard/branch_executed/_57
117 completed
118 completed
119 completed
120 completed
121 completed
122 completed
123 completed
124 completed
125 completed
126 test saved_best_model : mean steps : 133. mean rewards : -0.6595292687416077
127
128 Process finished with exit code 0
129

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