

CD Carla... 版本控制 当前文件 试用

Carla_Pedestrian_DQN.py Carla_Pedestrian_PPO_System.py

不满足软件包要求 'future', 'open3d' 安装要求 忽略要求

```
25 class EnhancedPedestrianEnv(gym.Env): 1个用法
26     def __init__(self, target_location=carla.Location(x=180, y=120, z=1)):
27         self.episode_step = 0
28         self.dynamic_obstacles = []
29         self.sensors = []
30
31         # === 线程安全锁 ===
32         self.img_lock = threading.Lock()
33         self.lidar_lock = threading.Lock()
34         self.last_display = time.time()
35
36         # === Carla连接配置 ===
37         self.client = carla.Client("localhost", 2000)
38         self.client.set_timeout(30.0)
39         self._connect_to_server()
40
41         # === 空间定义 ===
42         self.action_space = spaces.Discrete(len(ACTION_DICT))
43         self.observation_space = spaces.Box(
44             low=np.array([-1.0] * 8 + [0.0, -1.0]),
45             high=np.array([1.0] * 8 + [3.0, 1.0]),
46             dtype=np.float32
47         )
48
49         # === 初始化Carla组件 ===
```

运行 Carla_Pedestrian_DQN

```
D:\Desktop\我的论文\WindowsNoEditor\PythonAPI\examples\.venv\Scripts\python.exe D:\Desktop\我的论文\Window
INFO: Found the required file in cache! Carla/Maps/Nav/Town01.bin
成功加载Town01地图 (Carla v0.9.15)
D:\Desktop\我的论文\WindowsNoEditor\PythonAPI\examples\.venv\lib\site-packages\gymnasium\spaces\box.py:23
gym.logger.warn(
D:\Desktop\我的论文\WindowsNoEditor\PythonAPI\examples\.venv\lib\site-packages\gymnasium\spaces\box.py:36
gym.logger.warn(
Using cuda device
开始第一阶段训练 (50k steps) ...
INFO: Found the required file in cache! Carla/Maps/TM/Town01.bin
障碍物生成失败: Spawn failed because of collision at spawn position
```

examples > Carla_Pedestrian_DQN.py 300:1 CRLF UTF-8 4个空格 Python 3.9 (examples)

