Intuition of **Inference–no training:**
在没有进一步的训练的情况下，可以将 CALM 低级控制器和高级运动控制器结合起来解决任务。这个阶段只涉及推断(inference)

What already provided by the author:
- location: 对于位置任务，代理应该到达并保持在目标位置内，这个目标位置用围绕着旗杆的圆圈表示
- strike: 打击 需要代理到达目标并将其击倒。

For Strike:

```
python calm/run.py --test \
--task HumanoidStrikeFSM \
--num_envs 16 \
--cfg_env calm/data/cfg/humanoid_sword_shield_strike_fsm.yaml \
--cfg_train calm/data/cfg/train/rlg/hrl_humanoid_fsm.yaml \
--motion_file
calm/data/motions/reallusion_sword_shield/dataset_reallusion_sword_shi
eld_fsm_movements.yaml \
--llc_checkpoint calm/data/models/calm_llc_reallusion_sword_shield.pth
\
--checkpoint
calm/data/models/calm_hlc_precision_trained_reallusion_sword_shield.pt
h \
--headless
```

For Location:

```
python calm/run.py --test \
--task HumanoidLocationFSM \
--num_envs 64 \
--cfg_env calm/data/cfg/humanoid_sword_shield_location_fsm.yaml \
--cfg_train calm/data/cfg/train/rlg/hrl_humanoid_fsm.yaml \
--motion_file
calm/data/motions/reallusion_sword_shield/dataset_reallusion_sword_shi
eld_fsm_movements.yaml \
--llc_checkpoint calm/data/models/calm_llc_reallusion_sword_shield.pth
\
--checkpoint
calm/data/models/calm_hlc_precision_trained_reallusion_sword_shield.pt
h
```

```
--llc_checkpoint
```
　　低级控制器的检查点
　　a pre-trained CALM low-level controller is located at
　　`calm/data/models/calm_llc_reallusion_sword_shield.pth`
```
--checkpoint
```
　　高级精细训练控制器的检查点
　　a pre-trained high-level precision-trained controller is located at

```
calm/data/models/calm_hlc_precision_trained_reallusion_sword_shi
eld.pth
```

Output:
1. HumanoidStrikeFSM:

   Requested behavior contains: RunForward, Atk_Kick (Attack + Kick), Idel_Ready(随时做出行动或反应的空闲状态)

   strike任务就是跑到一个障碍物的范围内, 攻击和踢, 摆出防御状态

   strike视频

2. HumanoidLocationFSM:

   Requested behavior contains: RunForward, Taunt_Roar (嘲笑、挑衅对手或表达自信)

   location任务是跑到一个点附近, 嘲笑对手

   location 视频

   All the motions can be referred to : dataset_reallusion_sword_shield_fsm_movements.yaml