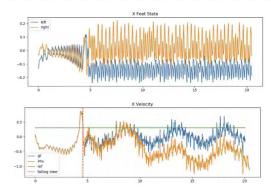
```
def _reward_action_rate(self):
    # Penalize changes in actions
    return torch.sum(torch.square(self.env.last_actions - self.env.actions), dim=1)

def _reward_tracking_lin_vel(self):
    # Tracking of linear velocity commands (xy axes)
    lin_vel_error = torch.sum(torch.square(self.env.commands[:, :2] - self.env.base_lin_vel[:, :2]), dim=1)
    return torch.exp(-lin_vel_error / self.env.cfg.rewards.tracking_sigma)

def _reward_tracking_ang_vel(self):
    # Tracking of angular velocity commands (yaw)
    ang_vel_error = torch.square(self.env.commands[:, 2] - self.env.base_ang_vel[:, 2])
    return torch.exp(-ang_vel_error / self.env.cfg.rewards.tracking_sigma)
    Original Reward
```



State Estimator + Convert Script

```
for term in env terms:
                                                                func_map = {
    term name = term.split(".")[-1]
                                                                    "base_lin_vel": "base_lin vel",
   if "shape" in term:
                                                                    "base ang vel": "base ang vel".
       term name = term.split(".")[-2]
                                                                    "torques": "torques[idx:idx+1]".
   # check if term is an array slicing
                                                                    "dof vel": "da[idx:idx+1]".
   slicing = False
                                                                    "last dof vel": "last do[idx:idx+1]".
   if "[" in term:
                                                                    "dof acc": "ddg",
       term name = term name.split("[")[0]
       slicing = True
                                                                    "actions": "q[idx:idx+1]".
                                                                    "dt": "dt[idx:idx+1]",
    if term_name not in func_map.keys():
                                                                    "last actions": "last g[idx:idx+1]",
       # unconvertable
                                                                    "survival time": "survival time",
       return None
                                                                    "commands": "commands",
    new_term = term.replace(term_name, func_map[term_name])
                                                                    "torque limits": "torque limits",
   if slicing:
                                                                    "feet state": "feet state",
       new_term = replace_first_dim_with_i(new_term)
   lines[i] = lines[i].replace(term, new term)
```