

Report (August 11)

Zongle Huang

Summary of previous work (7/27-8/11)

- 7/27-7/30: Implement an efficient network balancing throughputs between different layers for a certain architecture.
- 7/31-8/1: Formalize the problem and give a general rule for hardware resource distribution for different network architectures.
- 8/1-8/4: Implement templates for different layers.
- 8/8-8/11: Test the performance of the implementation in 4 RL cases (CartPole-v0 etc.), which shows good scalability. When the number of samples increases, the average process time decrease.

Plans

- Wrap up the codes and enable code generation automatically.
- Break down structs into smaller units to reduce traffic.