

实验(1) : gem5 malloc/free + hotspot analysis

截至时间 : 2022.11.2/周三 23:59:59

提交方式 : 超算习堂 (<https://easyhpc.net/course/157>)

实验主页 : <https://arcsysu.github.io/SYSU-ARCH>

总体安排 : https://arcsysu.github.io/SYSU-ARCH/docs/before_the_lab.html

Task-0: gem5 hands-on

See *I. Familiar with gem5 - Build and Simulate* (link: <https://arcsysu.github.io/SYSU-ARCH/docs/LAB1/Build%20and%20simulate.html>)

- To get started with gem5.

Task-1: gem5 malloc and free

See *I. Familiar with gem5 - Malloc and Free LAB* (link: <https://arcsysu.github.io/SYSU-ARCH/docs/LAB1/Malloc%20and%20Free%20LAB.html>)

- Add functionalities to implement malloc and free using gem5 SimObject.

Task-2: Hotspot Analysis

See *II. Hotspot Analysis* (link: <https://arcsysu.github.io/SYSU-ARCH/docs/LAB2.html>)

- Collect and analyze gem5 stats.