BURN

AI burn-in test dedicated APP: used to test the stability of CPU and GPU for AI computing. When the case is closed, system abnormality can be detected within 1 hour. The source of system abnormality may be CPU instability, CPU fan damage, GPU instability, GPU fan damage, memory instability, some CPU models need to reduce the memory operating frequency when the memory is full, motherboard instability, hard disk Instability, poor heat dissipation of the chassis, damage to the operating system, computer virus, etc., need to be eliminated one by one.

Version 20230223

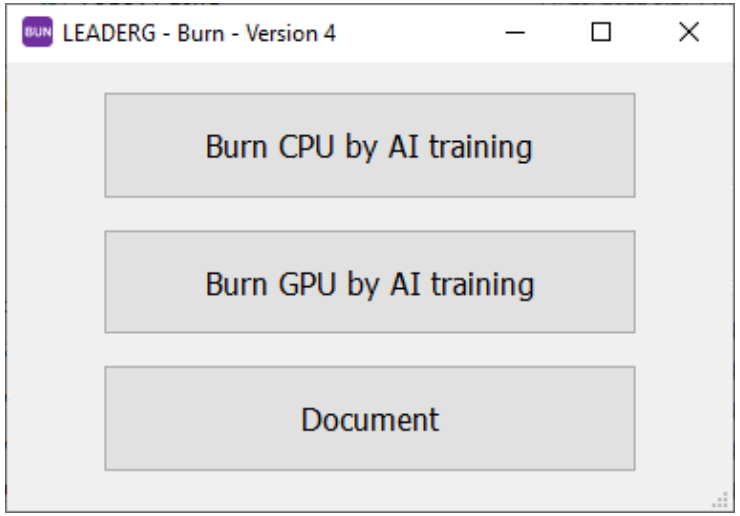
Applications

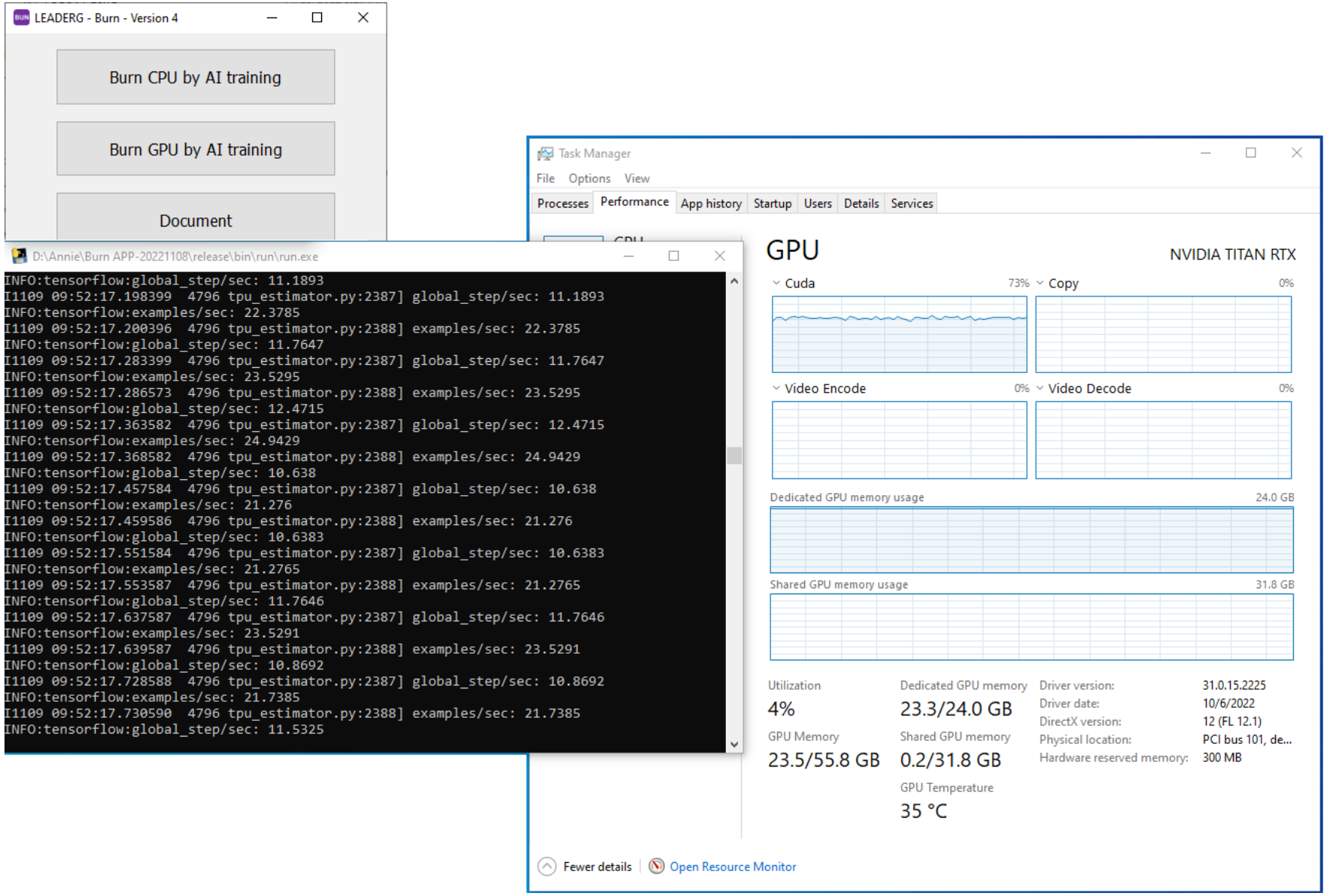
- CPU and GPU stability test for AI computing.

How to use

After pressing the “Burn GPU by AI training” button, the data folder of the simclr example will be re-created, and the simclr program will be used to perform the burn-in test.

After pressing the “Burn CPU by AI training” button, the data folder of the example will be re-created, and the YOLOv7 program will be used to perform the burn-in test.




LEADERG - Burn - Version 4
Burn CPU by AI training
Burn GPU by AI training
Document
D:\Annie\Burn APP-20221108\release\bin\run\run.exe
INFO:tensorflow:global_step/sec: 11.1893
I1109 09:52:17.198399 4796 tpu_estimator.py:2387] global_step/sec: 11.1893
INFO:tensorflow:examples/sec: 22.3785
I1109 09:52:17.200396 4796 tpu_estimator.py:2388] examples/sec: 22.3785
INFO:tensorflow:global_step/sec: 11.7647
I1109 09:52:17.283399 4796 tpu_estimator.py:2387] global_step/sec: 11.7647
INFO:tensorflow:examples/sec: 23.5295
I1109 09:52:17.286573 4796 tpu_estimator.py:2388] examples/sec: 23.5295
INFO:tensorflow:global_step/sec: 12.4715
I1109 09:52:17.363582 4796 tpu_estimator.py:2387] global_step/sec: 12.4715
INFO:tensorflow:examples/sec: 24.9429
I1109 09:52:17.368582 4796 tpu_estimator.py:2388] examples/sec: 24.9429
INFO:tensorflow:global_step/sec: 10.638
I1109 09:52:17.457584 4796 tpu_estimator.py:2387] global_step/sec: 10.638
INFO:tensorflow:examples/sec: 21.276
I1109 09:52:17.459586 4796 tpu_estimator.py:2388] examples/sec: 21.276
INFO:tensorflow:global_step/sec: 10.6383
I1109 09:52:17.551584 4796 tpu_estimator.py:2387] global_step/sec: 10.6383
INFO:tensorflow:examples/sec: 21.2765
I1109 09:52:17.553587 4796 tpu_estimator.py:2388] examples/sec: 21.2765
INFO:tensorflow:global_step/sec: 11.7646
I1109 09:52:17.637587 4796 tpu_estimator.py:2387] global_step/sec: 11.7646
INFO:tensorflow:examples/sec: 23.5291
I1109 09:52:17.639587 4796 tpu_estimator.py:2388] examples/sec: 23.5291
INFO:tensorflow:global_step/sec: 10.8692
I1109 09:52:17.728588 4796 tpu_estimator.py:2387] global_step/sec: 10.8692
INFO:tensorflow:examples/sec: 21.7385
I1109 09:52:17.730590 4796 tpu_estimator.py:2388] examples/sec: 21.7385
INFO:tensorflow:global_step/sec: 11.5325
Task Manager
File Options View
Processes Performance App history Startup Users Details Services
GPU
NVIDIA TITAN RTX
Cuda 73%
Copy 0%
Video Encode 0%
Video Decode 0%
Dedicated GPU memory usage 24.0 GB
Shared GPU memory usage 31.8 GB
Utilization
4%
Dedicated GPU memory
23.3/24.0 GB
Driver version: 31.0.15.2225
Driver date: 10/6/2022
DirectX version: 12 (FL 12.1)
Physical location: PCI bus 101, de...
Hardware reserved memory: 300 MB
GPU Memory
23.5/55.8 GB
Shared GPU memory
0.2/31.8 GB
GPU Temperature
35 °C
Fewer details
Open Resource Monitor

Reference

- Please refer to the readme.txt in the APP folder.
- LEADERG AppForAI: https://www.leaderg.com/appforai-windows
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