

gpu压力测试

参考 https://blog.csdn.net/weixin_40109345/article/details/106040332

1. 下载源码

```
https://github.com/wilicc/gpu-burn
```

• 1

1. 编译程序 (需确保NVIDIA CUDA相关驱动安装完成)

```
cd gpu-burn
```

```
make
```

• 1
• 2

1. 进行基本压力测试

```
./gpu burn
```

```
[root@gpu85-114 gpu-burn-master]# ./gpu_burn 120
GPU 0: Tesla P100-PCIE-12GB (UUID: GPU-76bd1b72-80b6-e6bd-6b5a-cd12351f2b59)
GPU 1: Tesla P100-PCIE-12GB (UUID: GPU-a0c966a6-2dba-c91c-f498-8c3934f73297)
Initialized device 0 with 12198 MB of memory (11873 MB available, using 10686 MB of it), using FLOATS
Initialized device 1 with 12198 MB of memory (11873 MB available, using 10686 MB of it), using FLOATS
10.8% proc'd: 5320 (8000 Gflop/s) - 4655 (8002 Gflop/s) errors: 0 - 0 temps: 43 C - 46 C
    Summary at: 2020年 07月 31日 星期五 16:31:57 CST

21.7% proc'd: 10640 (8001 Gflop/s) - 10640 (8002 Gflop/s) errors: 0 - 0 temps: 48 C - 50 C
    Summary at: 2020年 07月 31日 星期五 16:32:10 CST

32.5% proc'd: 17290 (8001 Gflop/s) - 17290 (7999 Gflop/s) errors: 0 - 0 temps: 54 C - 56 C
    Summary at: 2020年 07月 31日 星期五 16:32:23 CST

44.2% proc'd: 23940 (8001 Gflop/s) - 23275 (8006 Gflop/s) errors: 0 - 0 temps: 59 C - 61 C
    Summary at: 2020年 07月 31日 星期五 16:32:37 CST

55.0% proc'd: 29260 (8002 Gflop/s) - 29260 (8001 Gflop/s) errors: 0 - 0 temps: 63 C - 65 C
    Summary at: 2020年 07月 31日 星期五 16:32:50 CST

65.8% proc'd: 35910 (8000 Gflop/s) - 35910 (8004 Gflop/s) errors: 0 - 0 temps: 68 C - 69 C
    Summary at: 2020年 07月 31日 星期五 16:33:03 CST

77.5% proc'd: 42560 (7998 Gflop/s) - 41895 (8005 Gflop/s) errors: 0 - 0 temps: 69 C - 71 C
    Summary at: 2020年 07月 31日 星期五 16:33:17 CST

88.3% proc'd: 48545 (8001 Gflop/s) - 47880 (8000 Gflop/s) errors: 0 - 0 temps: 69 C - 71 C
    Summary at: 2020年 07月 31日 星期五 16:33:30 CST

99.2% proc'd: 54530 (7997 Gflop/s) - 54530 (8001 Gflop/s) errors: 0 - 0 temps: 67 C - 71 C
    Summary at: 2020年 07月 31日 星期五 16:33:43 CST

100.0% proc'd: 55195 (7999 Gflop/s) - 55195 (8000 Gflop/s) errors: 0 - 0 temps: 67 C - 71 C
Killing processes.. Freed memory for dev 0
Unitted cublas
Freed memory for dev 1
Unitted cublas
done

Tested 2 GPUs:
    GPU 0: OK
    GPU 1: OK
[root@gpu85-114 gpu-burn-master]#
```

```
[root@gpu85-114 ~]# nvidia-smi
Fri Jul 31 16:33:40 2020
```

```
+-----+-----+
| NVIDIA-SMI 410.48                Driver Version: 410.129      |
+-----+-----+-----+-----+-----+-----+
| GPU  Name           Persistence-M| Bus-Id        Disp.A | Volatile Uncorr. ECC |
| Fan  Temp   Perf    Pwr:Usage/Cap|      Memory-Usage | GPU-Util  Compute M. |
+-----+-----+-----+-----+-----+-----+
|   0   Tesla P100-PCIE...    Off   | 00000000:3B:00:0  Off   |              0      |
| N/A   68C    P0     200W / 250W | 10997MiB / 12198MiB |    100%    Default   |
+-----+-----+-----+-----+-----+-----+
|   1   Tesla P100-PCIE...    Off   | 00000000:86:00:0  Off   |              0      |
| N/A   71C    P0     199W / 250W | 10997MiB / 12198MiB |    100%    Default   |
+-----+-----+-----+-----+-----+-----+
```

```
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| Processes:                               GPU Memory |
| GPU      PID    Type   Process name      Usage   |
+-----+-----+-----+-----+-----+-----+
|   0      124954   C     ./gpu_burn        10987MiB |
|   1      124969   C     ./gpu_burn        10987MiB |
+-----+-----+-----+-----+-----+-----+
```

您在 /var/spool/mail/root 中有新邮件