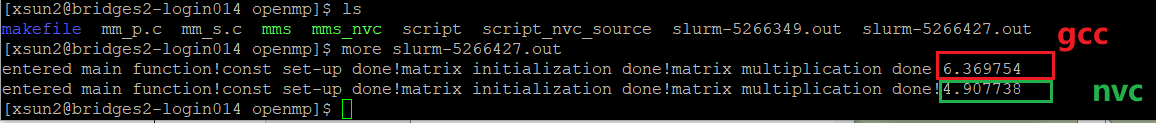
**OpenMp**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Versions* | **Time in seconds (NVHPC)** | | | | **Time in seconds (GNU GCC)** | | | |
| **Serial time** | **4.907738** | | | | **6.369754** | | | |
| **Parallel threads** | 2 | 4 | 8 | 16 | 2 | 4 | 8 | 16 |
| **Parallel time** | **2.780051** | **1.447587** | **0.814226** | **0.408386** | **2.968330** | **1.487720** | **0.845733** | **0.440940** |

**Serial time：**

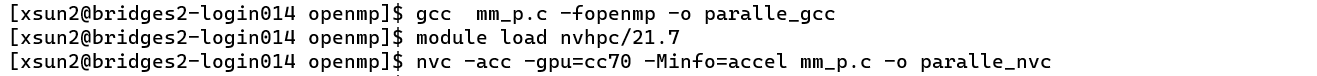


**instructions for running**

**Batch script**

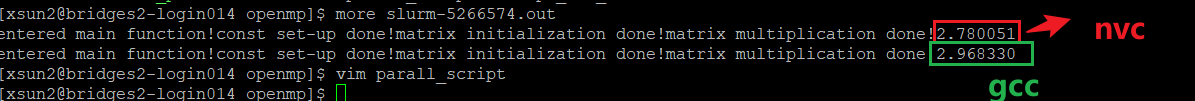
文本

描述已自动生成

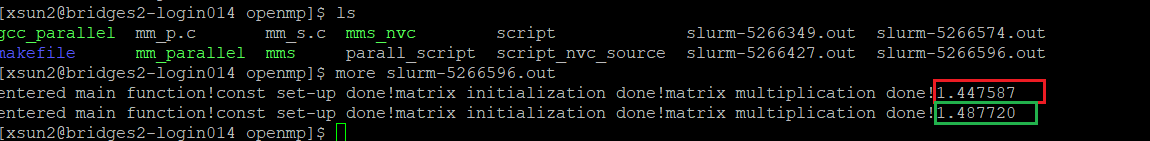


**Parallel Threads Result**

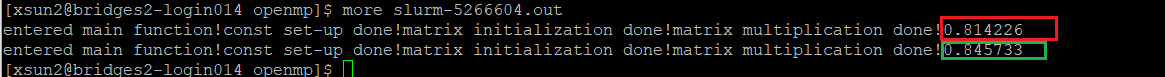
**Threads2 :**



**Thread 4:**



**Thread8:**



**Threa16:**

图片包含 图形用户界面

描述已自动生成

**Extra (not in the ppt)**

**Different Matrix Size (Thread 8) result**

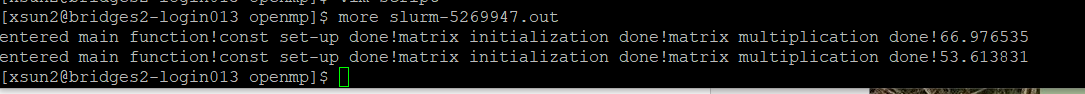
|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Nvhpc** | | | | **gcc** | | | |
| **Size** | **512** | **1024** | **2048** | **512** | **1024** | **2048** |  | |
| **SerialTime** | **0.264033** | **4.907738** | **66.976535** | **0.721901** | **6.369754** | **53.613831** |
| **parallelTime** | **0.260403** | **0.814226** | **63.617135** | **0.120143** | **0.845733** | **8.387561** |

**size512 sirel：**

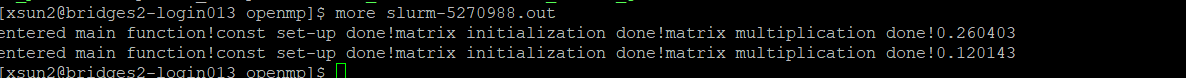
**图形用户界面, 文本

描述已自动生成**

**Size2048 sirel：**



**Size512 parallel：**



**Size2048 parallel：**

