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# tests OpenGL

AMD Phenom II X6 1100T testing on Gentoo Base 2.0.3 via the Phoronix Test Suite.

## Test Systems:

### GTX-260+

Processor: AMD Phenom II X6 1100T @ 2.90GHz (6 Cores), Memory: 8192MB, Disk: 640GB Western Digital WD6401AALS-0 + 500GB Hitachi HDP72505, Graphics: NVIDIA GeForce GTX 260 896MB (655/1050MHz)

OS: Gentoo Base 2.0.3, Kernel: 3.3.2 (x86_64), Desktop: KDE, Display Server: X Server 1.11.2, Display Driver: NVIDIA 295.40, OpenGL: 3.3.0 NVIDIA 295.40, Compiler: GCC 4.5.3 + LLVM 2.9 + CUDA 4.1, File-System: ext4, Screen Resolution: 1680x1050

System Notes: GPU Compute Cores: 216.

### GTX-260+_old

Processor: AMD Phenom II X6 1100T @ 2.90GHz (6 Cores), Memory: 8192MB, Disk: 640GB Western Digital

WD6401AALS-0 + 500GB Hitachi HDP72505, Graphics: NVIDIA GeForce GTX 260 896MB (655/1050MHz)

OS: Gentoo Base 2.0.3, Kernel: 3.3.2 (x86_64), Desktop: KDE, Display Server: X Server 1.11.2, Display Driver: NVIDIA 295.33, OpenGL: 3.3.0 NVIDIA 295.33, Compiler: GCC 4.5.3 + LLVM 2.9 + CUDA 4.1, File-System: ext4, Screen Resolution: 1680x1050

System Notes: GPU Compute Cores: 216.

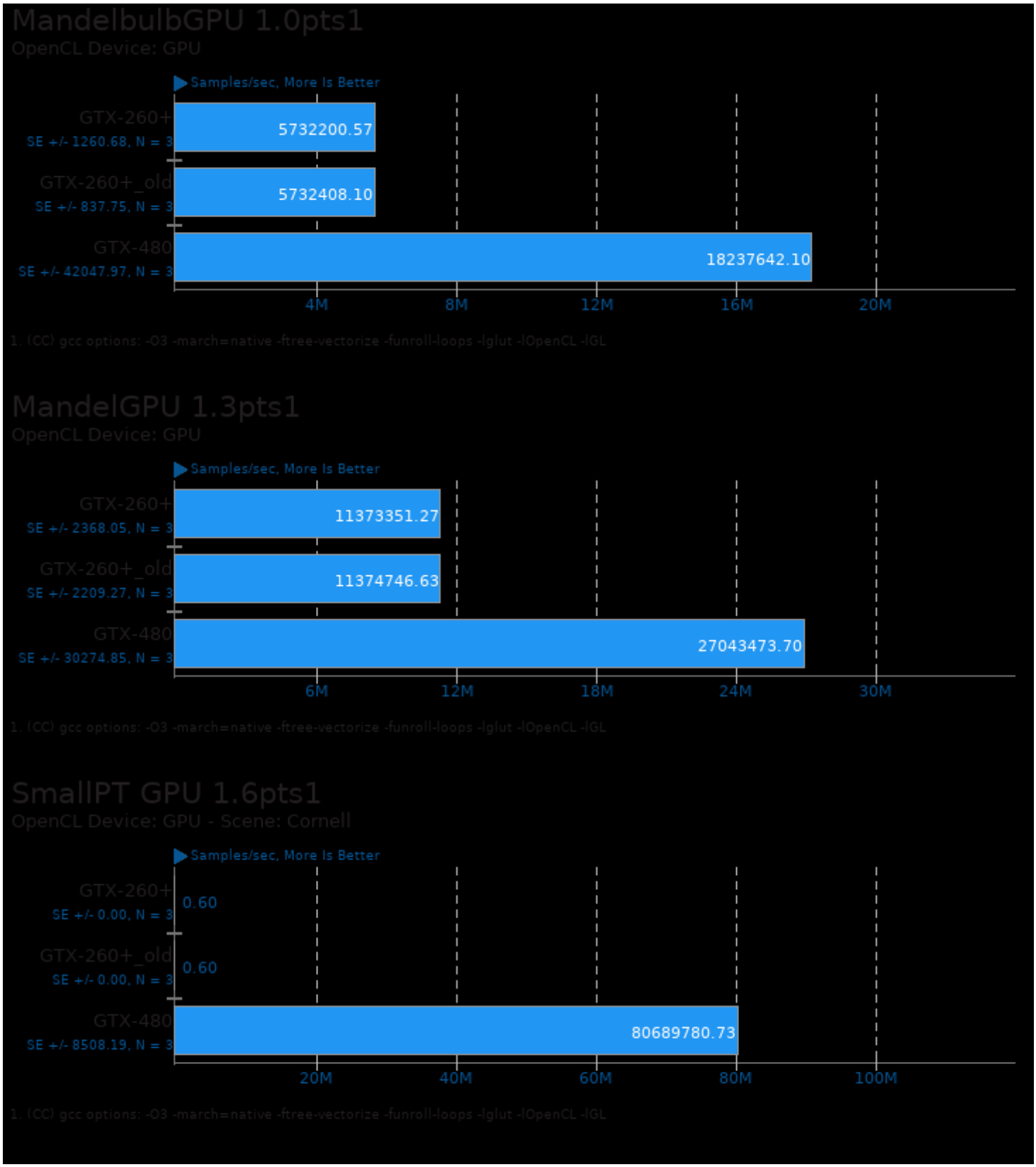
## GTX-480

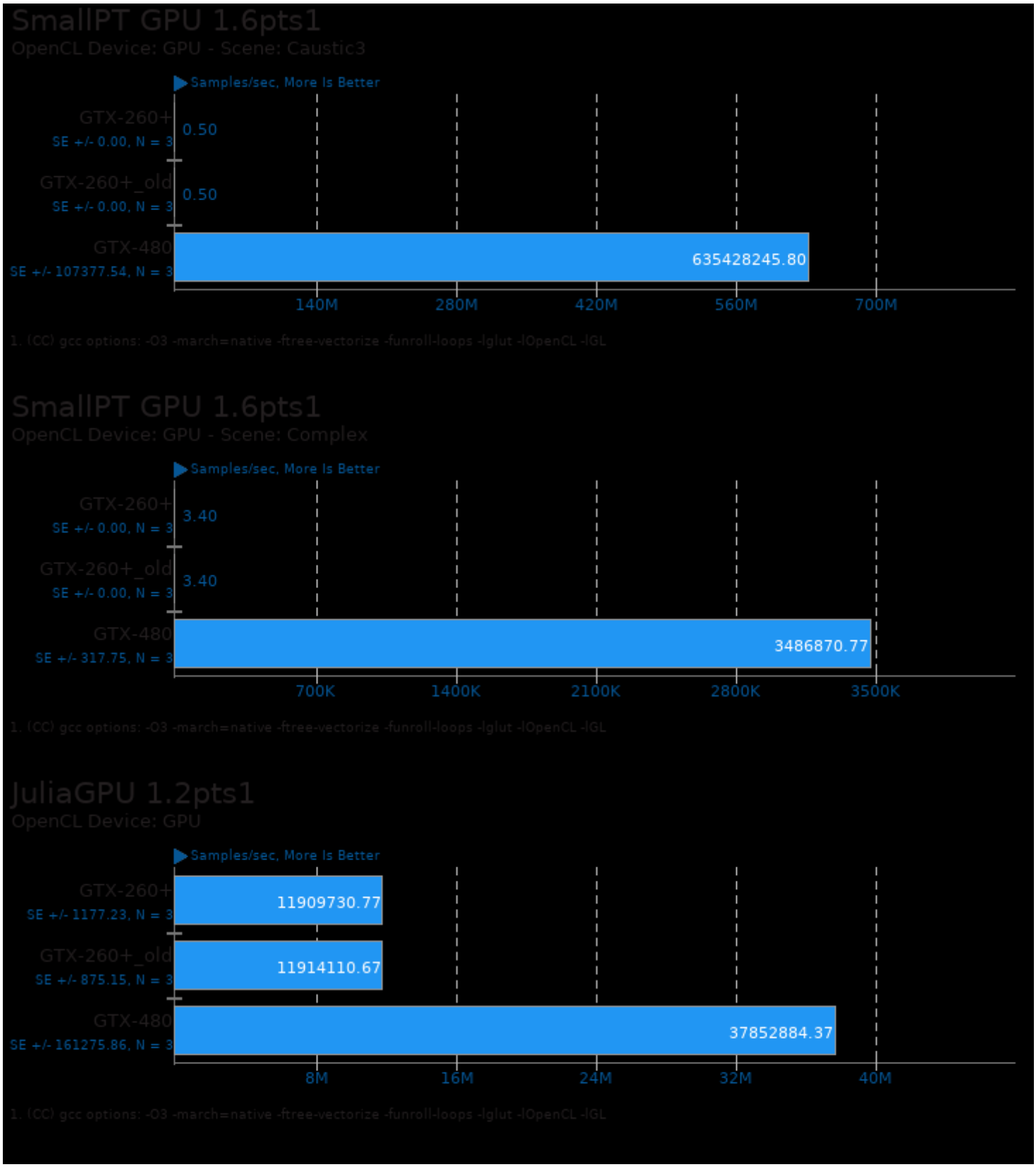
Processor: AMD Phenom II X6 1100T @ 3.20GHz (6 Cores), Memory: 8192MB, Disk: 640GB Western Digital WD6401AALS-0 + 500GB Hitachi HDP72505, Graphics: NVIDIA GeForce GTX 480 1536MB (700/1848MHz)

OS: Gentoo 2.2, Kernel: 3.14.4 (x86_64), Desktop: KDE, Display Server: X Server 1.15.1, Display Driver: NVIDIA 337.19, Compiler: GCC 4.8.2 + Clang 3.4.1 + LLVM 3.4.1 + CUDA 6.0, File-System: ext4, Screen Resolution: 1680x1050

Processor Notes: Scaling Governor: acpi-cpufreq ondemand
OpenCL Notes: GPU Compute Cores: 480
System Notes: GPU Compute Cores: 480.

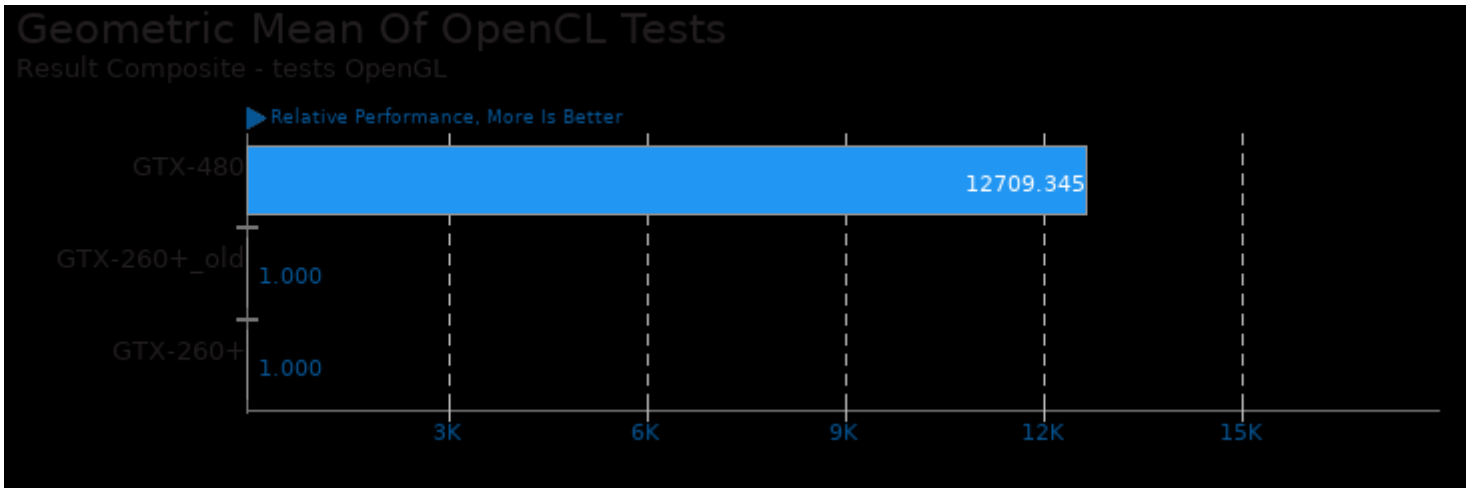
| | GTX-260+ | GTX-260+_old | GTX-480 |
|---|---|---|---|
| **MandelbulbGPU - GPU (Samples/sec)** | **5732201** | 5732408 | **18237642** |
| **Normalized** | 31.43% | 31.43% | 100% |
| **Standard Deviation** | 0% | 0% | 0.4% |
| **MandelGPU - GPU (Samples/sec)** | **11373351** | 11374747 | **27043474** |
| **Normalized** | 42.06% | 42.06% | 100% |
| **Standard Deviation** | 0% | 0% | 0.2% |
| **SmallPT GPU - GPU - Cornell (Samples/sec)** | **0.60** | **0.60** | **80689781** |
| **Normalized** | 0% | 0% | 100% |
| **Standard Deviation** | 0% | 0% | 0% |
| **SmallPT GPU - GPU - Caustic3** | **0.50** | **0.50** | **635428246** |
| **Normalized** | 0% | 0% | 100% |
| **Standard Deviation** | 0% | 0% | 0% |
| **SmallPT GPU - GPU - Complex** | **3.40** | **3.40** | **3486871** |
| **Normalized** | 0% | 0% | 100% |
| **Standard Deviation** | 0% | 0% | 0% |
| **JuliaGPU - GPU (Samples/sec)** | **11909731** | 11914111 | **37852884** |
| **Normalized** | 31.46% | 31.47% | 100% |
| **Standard Deviation** | 0% | 0% | 0.7% |


MandelbulbGPU 1.0pts1
OpenCL Device: GPU
Samples/sec, More Is Better
GTX-260+
SE +/- 1260.68, N = 3
5732200.57
GTX-260+_old
SE +/- 837.75, N = 3
5732408.10
GTX-480
SE +/- 42047.97, N = 3
18237642.10
4M
8M
12M
16M
20M
1. (CC) gcc options: -O3 -march=native -ftree-vectorize -funroll-loops -lglut -lOpenCL -lGL
MandelGPU 1.3pts1
OpenCL Device: GPU
Samples/sec, More Is Better
GTX-260+
SE +/- 2368.05, N = 3
11373351.27
GTX-260+_old
SE +/- 2209.27, N = 3
11374746.63
GTX-480
SE +/- 30274.85, N = 3
27043473.70
6M
12M
18M
24M
30M
1. (CC) gcc options: -O3 -march=native -ftree-vectorize -funroll-loops -lglut -lOpenCL -lGL
SmallPT GPU 1.6pts1
OpenCL Device: GPU - Scene: Cornell
Samples/sec, More Is Better
GTX-260+
SE +/- 0.00, N = 3
0.60
GTX-260+_old
SE +/- 0.00, N = 3
0.60
GTX-480
SE +/- 8508.19, N = 3
80689780.73
20M
40M
60M
80M
100M
1. (CC) gcc options: -O3 -march=native -ftree-vectorize -funroll-loops -lglut -lOpenCL -lGL


SmallPT GPU 1.6pts1
OpenCL Device: GPU - Scene: Caustic3
Samples/sec, More Is Better
GTX-260+
SE +/- 0.00, N = 3
0.50
GTX-260+_old
SE +/- 0.00, N = 3
0.50
GTX-480
SE +/- 107377.54, N = 3
635428245.80
140M
280M
420M
560M
700M
1. (CC) gcc options: -O3 -march=native -ftree-vectorize -funroll-loops -lglut -lOpenCL -lGL
SmallPT GPU 1.6pts1
OpenCL Device: GPU - Scene: Complex
Samples/sec, More Is Better
GTX-260+
SE +/- 0.00, N = 3
3.40
GTX-260+_old
SE +/- 0.00, N = 3
3.40
GTX-480
SE +/- 317.75, N = 3
3486870.77
700K
1400K
2100K
2800K
3500K
1. (CC) gcc options: -O3 -march=native -ftree-vectorize -funroll-loops -lglut -lOpenCL -lGL
JuliaGPU 1.2pts1
OpenCL Device: GPU
Samples/sec, More Is Better
GTX-260+
SE +/- 1177.23, N = 3
11909730.77
GTX-260+_old
SE +/- 875.15, N = 3
11914110.67
GTX-480
SE +/- 161275.86, N = 3
37852884.37
8M
16M
24M
32M
40M
1. (CC) gcc options: -O3 -march=native -ftree-vectorize -funroll-loops -lglut -lOpenCL -lGL

# tests OpenGL

These geometric means are based upon test groupings / test suites for this result file.




Geometric mean based upon tests: pts/juliagpu, pts/mandelgpu, pts/smallpt-gpu and pts/mandelbulbgpu

*This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 04:42.*