HPC Project

High Pass Filter

Project team:

1- **(Computer system) (20191700327)** عاصم فتحي سيد محمد

2- **(computer system) (20191700710)** نوران محمود احمد محمد

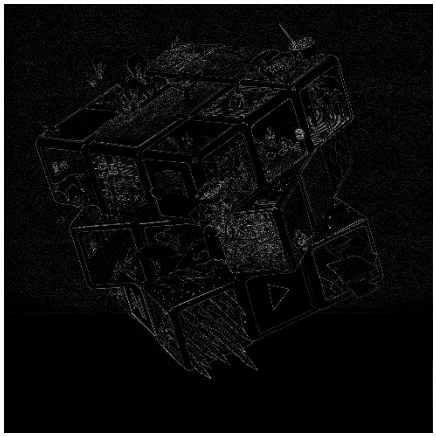
3- **(computer system) (20191700477)** مازن ابراهيم عبد المجيد قنديل

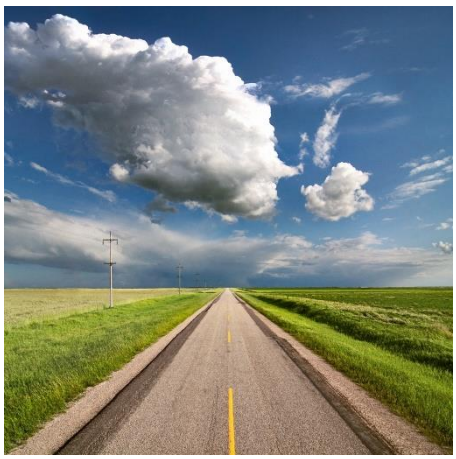
Image size: 500 * 500
Sequential time: 313
Parallel time: 356 / 4

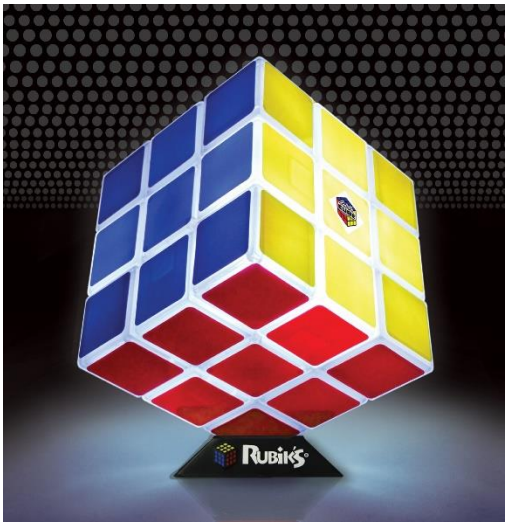
Image size: 500 * 500
Sequential time: 323
Parallel time: 344 / 4

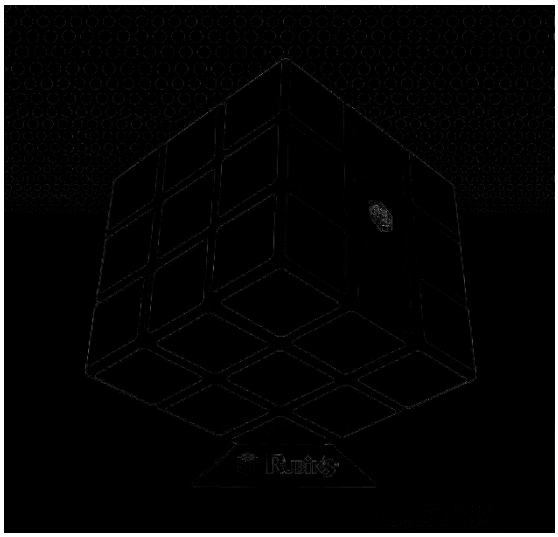
Image size: 2560 * 1714
Sequential time: 5010
Parallel time: 4098 / 4

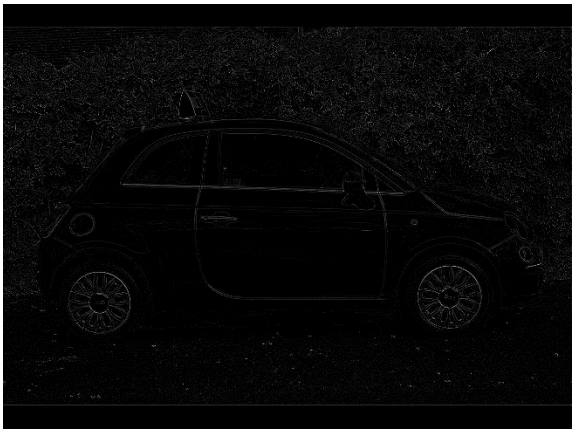
Image size: 1600 * 1097
Sequential time: 2900
Parallel time: 2727 / 4






RUBIK'S





LIONS
CONSTRUCTION LLC

```
C:\Windows\System32\cmd.exe

F:\Computer System\HPC\HPC_ProjectTemplate\HPC_ProjectTemplate\Debug>mpiexec HPC_ProjectTemplate
Rank :0
Size :4
Rank :3
Size :4
Rank :2
Size :4
Rank :1
Size :4
result Image Saved 0
time: 5251
result Image Saved 1
time: 14709
result Image Saved 2
time: 28757
result Image Saved 3
time: 49328
result Image Saved 4
time: 85792
result Image Saved 5
time: 124506
result Image Saved 6
time: 174995
result Image Saved 7
time: 231815
result Image Saved 8
time: 303300

F:\Computer System\HPC\HPC_ProjectTemplate\HPC_ProjectTemplate\Debug>
```