

Session 0

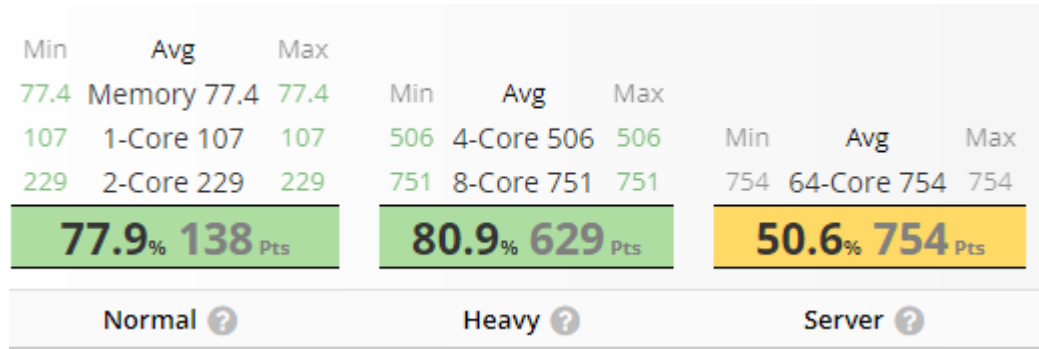
UO283069

Activity 1: Power of the CPUs

Task 1:

1. Processor: AMD Ryzen 5 3500X 6-Core Processor 3.6 GHz, System Mem: ?

2.



3. Benchmarking 1 time: 121ms

4. Approximate index of integer and float operations by the program: $121 \times 107 = 12947$

Task 2:

1.

#	CPU	milli	SC MIX	Operations
1.	i7-4500U	285	71,3	20320,5
2.	i3-3220	267	83,3	22241,1
3.	i5-4590	219	98,1	21483,9
4.	i7-4790	207	107	22149
5.	Intel Pentium Gold G5400	215	104	22360
6.	AMD Ryzen 5 3500X 6-Core Processor 3.60 GHz	121	107	12947

2. No, since different CPUs provide different timing for the execution of the algorithm.

Activity 2: Influence of the operating system

1. High performance, as the other plans provide either a lower energy consume but with a slow execution or a balanced plan.
2. No, as it would slow down the execution of the experiment
3. Not simultaneously, as the CPU may slow down because of the execution of all the different programs at the same time.