Secvential vs Paralel OpenMP vs Paralel MPI

Sistemul pe care sunt rulate testele:

**Windows:** 10  
 **Procesor**: Intel Core i7 10750h, 6 Cores

**Placa video:** Nvidia RTX 2060 6GB

**RAM:** 16 GB

|  |  |  |  |
| --- | --- | --- | --- |
| **Numar Elemente Test** | **Rezultat Varainta Secventiala (secunde)** | **Rezultat Varianta Paralela OpenMP (secunde)** | **Rezultat Varianta Paralela MPI (secunde)** |
| **5** | **0** | **0.004169** | **0** |
| **10** | **0** | **0.002813** | **0** |
| **100** | **0.00032** | **0.003564** | **0.000569** |
| **1000** | **0.003701** | **0.007098** | **0.001415** |
| **10000** | **0.039397** | **0.048779** | **0.012609** |
| **100000** | **0.394163** | **0.385245** | **0.129923** |
| **1000000** | **3.9225** | **3.7158** | **1.34822** |
| **10000000** | **41.0548** | **37.8749** | **20.5503** |

A picture containing text, line, plot, screenshot

Description automatically generated