Samuel Olatunde

Michelle Orru

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| **Execution Times (microseconds)** | | |
| #Proc (comm\_sz) | Problem Size (N) | |
| 1024 | 16384 |
| 1 | 145966.67 | 35904551.33 |
| 16 | 5697.21 | 121567.96 |
| 32 | 11109.03 | 62606.92 |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| **Speedup** | | |
| #Proc (comm\_sz) | Problem Size (N) | |
| 1024 | 16384 |
| 1 | 1 | 1 |
| 16 | 25.62072839 | 295.3455115 |
| 32 | 13.13946132 | 573.4917375 |
|  |  |  |
|  |  |  |
|  |  |  |
| **Efficiency** | | |
| #Proc (comm\_sz) | Problem Size (N) | |
| 1024 | 16384 |
| 1 | 1 | 1 |
| 16 | 1.601295524 | 18.45909447 |
| 32 | 0.410608166 | 17.9216168 |