|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **NUMBER OF TRIANGLES** | | | | | | | |
| **Dataset** | **Exact number of triangles (C=1)** | **Approximation through**  **Node Coloring**  **(median over R runs )** | | | **Approximation through**  **Spark Partitions** | | |
| C=2, R=5 | C=4, R=5 | C=8, R=5 | C=2 | C=4 | C=8 |
| **facebook\_large.txt** | 794953 | 798555 | 788432 | 788416 | 809596 | 985360 | 1596608 |
| **youtube.txt** | 3056386 | 3035251 | 3014876 | 3224499 | 3118860 | 3418304 | 4243072 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **RUNNING TIME (in ms)** | | | | | | |
| **Dataset** | **Approximation through**  **Node Coloring**  **(average over R runs)** | | | **Approximation through**  **Spark Partitions** | | |
| C=2, R=5 | C=4, R=5 | C=8, R=5 | C=2 | C=4 | C=8 |
| **facebook\_large.txt** | 815 ms | 654 ms | 793 ms | 751 ms | 490 ms | 389 ms |
| **youtube.txt** | 13906 ms | 3528 ms | 2501 ms | 17574 ms | 5948 ms | 3642 ms |