| **NUMBER OF TRIANGLES** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Dataset** | **The exact number of triangles (C=1)** | **Approximation through**  **Node Coloring**  **(median over R runs )** | | | **Approximation through**  **Spark Partitions** | | |
| C=2 | C=4, R=5 | C=8, R=5 | C=2 | C=4 | C = 8 |
| **facebook\_large.tx** | 794953 | 798204 | 790176 | 796736 | 809596 | 990208 | 1600704 |  |
| **youtube.txt** | 3056386 | 3037088 | 3027648 | 3018432 | 3118860 | 3420064 | 4283584 |

| **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** | 539 ms | 413 ms | 566 ms | 252 ms | 150 ms | 192 ms |
| **youtube.txt** | 5960 ms | 2137 ms | 1513 ms | 7685 ms | 4574 ms | 3072 ms |