|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | 795152 | 799062 | 807462 | 790136 | 767712 | 771392 |
| **youtube.txt** | 3056386 | 3053568 | 3053494 | 3161036 | 3020304 | 3003184 | 2991552 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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** | 555 ms | 450 ms | 549 ms | 1122 ms | 769 ms | 812 ms |
| **youtube.txt** | 9156 ms | 3692 ms | 2040 ms | 25299 ms | 13947 ms | 11480 ms |