|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | 797072 | 784304 | 776960 | 794656 | 795568 | 787648 |
| **youtube.txt** | 3056386 | 3049408 | 3021168 | 3012928 | 3056620 | 3049792 | 3063168 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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** | 3984 | 7405 | 14631 | 2964 | 4990 | 9651 |
| **youtube.txt** | 10231 | 8698 | 14735 | 16731 | 10771 | 12529 |