|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | 791680 | 797408 | 776256 | 810480 | 986288 | 1577792 |
| **youtube.txt** | 3056386 | 3034072 | 3063104 | 3055616 | 3118012 | 3418656 | 4271168 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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** | 4361 | 5731 | 8865 | 4937 | 6031 | 9185 |
| **youtube.txt** | 31282 | 20104 | 19442 | 36029 | 26561 | 25387 |