|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | 795748 | 801856 | 791360 | 794644 | 795120 | 792832 |
| **youtube.txt** | 3056386 | 3066948 | 3053328 | 3001216 | 3056100 | 3052528 | 3060992 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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** | 624 | 354 | 303 | 811 | 570 | 559 |
| **youtube.txt** | 15885 | 6811 | 4520 | 28445 | 10842 | 6560 |