| | Dataset | Category | $\lvert G\rvert$ | $\lVert G\rVert$ | $\delta$ | $\overline{d}$ | $\Delta$ | degn | $\%V_2$ | diam | $\gamma$ | mac |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Small | p8808mo10 | cDBG | 28,793 | 34,534 | 1 | 2.40 | 7 | 3 | 61% | 469 | 8,830 | 1.08 |
| | 5032-01 | cDBG | 45,070 | 66,527 | 1 | 2.95 | 8 | 4 | 41% | 103 | ? | ? |
| | twofoo | cDBG | 49,043 | 59,648 | 1 | 2.43 | 8 | 3 | 62% | 1,455 | 14,606 | 1.11 |
| | ca-GrQc | collab | 4,158 | 13,422 | 1 | 6.46 | 81 | 43 | 35% | 17 | 776 | 1.32 |
| | ca-CondMat | collab | 21,363 | 91,286 | 1 | 8.55 | 279 | 25 | 21% | 15 | 2,990 | 1.46 |
| | delaunay-n13 | DIM | 8,192 | 24,547 | 3 | 5.99 | 12 | 4 | 0% | 49 | ? | ? |
| | wing-nodal | DIM | 10,937 | 75,488 | 5 | 13.80 | 28 | 8 | 0% | 26 | ? | ? |
| | fe-4elt2 | DIM | 11,143 | 32,818 | 3 | 5.89 | 12 | 4 | 0% | 121 | ? | ? |
| | delaunay-n14 | DIM | 16,384 | 49,122 | 3 | 6.00 | 16 | 4 | 0% | 65 | ? | ? |
| | fe-sphere | DIM | 16,386 | 49,152 | 4 | 6.00 | 6 | 5 | 0% | 128 | ? | ? |
| | cti | DIM | 16,840 | 48,232 | 3 | 5.73 | 6 | 4 | 0% | 64 | ? | ? |
| | cs4 | DIM | 22,499 | 43,858 | 2 | 3.90 | 4 | 3 | 0% | 75 | ? | ? |
| | delaunay-n15 | DIM | 32,768 | 98,274 | 3 | 6.00 | 18 | 4 | 0% | 87 | ? | ? |
| | hugebubbles | DIM | 44,224 | 50,121 | 1 | 2.27 | 3 | 2 | 60% | 1,065 | 14,424 | 1.05 |
| | t60k | DIM | 60,005 | 89,440 | 2 | 2.98 | 3 | 2 | 2% | 649 | ? | ? |
| Medium | 6015-01 | cDBG | 108,141 | 154,774 | 1 | 2.86 | 8 | 4 | 44% | 315 | ? | ? |
| | PSM6XBSE | cDBG | 219,634 | 261,016 | 1 | 2.38 | 8 | 3 | 64% | 2,055 | 65,444 | 1.09 |
| | HSMA331E | cDBG | 486,485 | 575,888 | 1 | 2.37 | 8 | 3 | 64% | 2,222 | 145,211 | 1.09 |
| | ca-HepPh | collab | 11,204 | 117,619 | 1 | 21.00 | 491 | 238 | 24% | 13 | 1,662 | 1.51 |
| | ca-AstroPh | collab | 17,903 | 196,972 | 1 | 22.00 | 504 | 56 | 13% | 14 | 2,055 | 1.74 |
| | email-enron-large | email | 33,696 | 180,811 | 1 | 10.73 | 1,383 | 43 | 38% | 13 | 1,972 | 1.78 |
| | inf-luxembourg-osm | DIM | 114,599 | 119,666 | 1 | 2.09 | 6 | 2 | 89% | 1,337 | 3,7752 | 1.02 |
| Large | G36383 | cDBG | 1,000,794 | 1,247,578 | 1 | 2.49 | 8 | 4 | 59% | 1,626 | ? | ? |
| | CSM79HKX | cDBG | 2,164,736 | 2,678,934 | 1 | 2.48 | 8 | 4 | 59% | 1,776 | ? | ? |
| | bgi-MH0078 | cDBG | 4,202,874 | 5,103,063 | 1 | 2.43 | 8 | 4 | 62% | 4,365 | ? | ? |
| | podarV | cDBG | 7,205,871 | 8,767,362 | 1 | 2.43 | 8 | 4 | 63% | 2,296 | ? | ? |
| | hu-s1 | cDBG | 13,081,189 | 17,300,937 | 1 | 2.65 | 8 | 4 | 51% | 347 | ? | ? |
| | soc-BlogCatalog | social | 88,784 | 2,093,195 | 1 | 47.15 | 9,444 | 221 | 34% | 9 | ? | ? |
| | soc-delicious | social | 536,108 | 1,365,961 | 1 | 5.10 | 3,216 | 33 | 70% | 14 | ? | ? |
| | soc-flixster | social | 2,523,386 | 7,918,801 | 1 | 6.28 | 1,474 | 68 | 74% | 8 | ? | ? |
| | soc-livejournal | social | 4,033,137 | 27,933,062 | 1 | 13.85 | 2,651 | 213 | 33% | 25 | ? | ? |

Table 2: This table gives details on the network corpus used in experiments, including category (cDBG: metagenomic cDBG, collab: collaboration, social: social networks, DIM: DIMACS10, email), number of vertices ($\lvert G\rvert$), number of edges ($\lVert G\rVert$), minimum degree ($\delta$), average degree ($\overline{d}$), maximum degree ($\Delta$), degeneracy (degn), percentage of the vertices with degree at most 2 ($\%V_2$), diameter of the graph (diam), and the smallest size ($\gamma$)/average congestion (mac) of any dominating set. An entry of "?" indicates Gurobi timed out.