Table 1: Performance of `sdpt3.m`. In the table, err = [`pinfeas`,`dinfeas`,`relgap`,`relgap2`], where `relgap2` is the same as `relgap` but with the numerator replaced by $|\langle c,\, x\rangle - b^T y|$, and `normXZ` = $\max\{\|x^*\|, \|z^*\|\}$. We declare that g_P (g_D) is ∞ if the computed number is larger than 10^{12}.

problem	m | $n_s; n_q; n_l; n_u$	it. | primal obj | dual obj	err	time	g_P | g_D | `normXZ`
arch0	174 | 161; ; 174;	26 | -5.66517270-1 | -5.66517274-1	5.4 -9| 1.6-11| 1.9 -9| 1.8 -9	03	1.97 4| 2.03 6| 5.9 2
arch2	174 | 161; ; 174;	24 | -6.71515400-1 | -6.71515409-1	4.2-10| 3.0-11| 4.0 -9| 3.7 -9	03	1.97 4| 2.01 6| 5.7 2
arch4	174 | 161; ; 174;	22 | -9.72627409-1 | -9.72627419-1	7.3-10| 1.9-11| 3.8 -9| 3.7 -9	03	1.97 4| 1.96 6| 9.1 2
arch8	174 | 161; ; 174;	23 | -7.05698002 0 | -7.05698004 0	9.7 -9| 2.9-11| 1.5 -9| 1.2 -9	03	1.97 4| 1.83 6| 6.3 3
control1	21 | 15; ; ;	17 | -1.77846268 1 | -1.77846267 1	3.1 -9| 2.7-11| 1.8 -9| 3.2-10	00	9.31 4| 4.98 3| 5.7 5
control2	66 | 30; ; ;	21 | -8.30000039 0 | -8.29999999 0	7.1 -9| 3.0-11| 9.4-11| 2.3 -8	01	3.03 5| 1.47 4| 6.5 5
control3	136 | 45; ; ;	22 | -1.36332647 1 | -1.36332672 1	1.9 -7| 8.7-11| 1.0 -7| 8.9 -8	02	7.67 5| 3.16 4| 2.1 6
control4	231 | 60; ; ;	21 | -1.97942325 1 | -1.97942308 1	1.9 -7| 1.5-10| 1.7 -8| 4.1 -8	04	1.34 6| 4.92 4| 3.8 6
control5	351 | 75; ; ;	23 | -1.68835936 1 | -1.68836010 1	4.3 -7| 1.6-10| 2.5 -7| 2.1 -7	11	2.02 6| 6.22 4| 4.9 6
control6	496 | 90; ; ;	21 | -3.73043648 1 | -3.73044273 1	2.2 -7| 5.8-10| 8.1 -7| 8.3 -7	22	3.12 6| 9.21 4| 1.4 7
control7	666 | 105; ; ;	22 | -2.06250581 1 | -2.06250778 1	5.9 -8| 4.9-10| 4.7 -7| 4.7 -7	43	4.09 6| 1.15 5| 1.2 7
control8	861 | 120; ; ;	23 | -2.02863478 1 | -2.02863653 1	2.0 -7| 4.8-10| 4.0 -7| 4.2 -7	1:23	5.53 6| 1.40 5| 1.3 7
control9	1081 | 135; ; ;	23 | -1.46754157 1 | -1.46754284 1	2.7 -7| 4.7-10| 4.6 -7| 4.2 -7	2:24	6.98 6| 1.72 5| 1.3 7
control10	1326 | 150; ; ;	25 | -3.85328687 1 | -3.85330582 1	5.0 -7| 1.4 -9| 2.3 -6| 2.4 -6	45	8.32 6| 2.00 5| 3.7 7
control11	1596 | 165; ; ;	24 | -3.19586090 1 | -3.19586862 1	5.9 -7| 1.3 -9| 8.7 -7| 1.2 -6	1:07	1.02 7| 2.31 5| 3.4 7
gpp100	101 | 100; ; ;	14 | 4.49435479 1 | 4.49435489 1	2.7-10| 6.2-11| 9.8 -9| 1.1 -8	00	∞ | 1.88 2| 6.2 4
gpp124-1	125 | 124; ; ;	17 | 7.34307525 0 | 7.34307571 0	3.6-11| 7.1-12| 7.6 -9| 2.9 -8	01	∞ | 1.92 2| 1.7 5
gpp124-2	125 | 124; ; ;	15 | 4.68622933 1 | 4.68622939 1	1.1-10| 2.2-11| 6.1 -9| 6.3 -9	01	∞ | 2.37 2| 1.1 5
gpp124-3	125 | 124; ; ;	14 | 1.53014123 2 | 1.53014124 2	4.2-10| 8.5-11| 4.1 -9| 5.1 -9	01	∞ | 2.83 2| 6.9 4
gpp124-4	125 | 124; ; ;	15 | 4.18987595 2 | 4.18987610 2	5.6-10| 7.1-11| 6.3-10| 1.8 -8	01	∞ | 3.48 2| 2.9 5
gpp250-1	251 | 250; ; ;	18 | 1.54449168 1 | 1.54449168 1	1.3-12| 1.5-12| 2.9 -9| 8.7-11	02	∞ | 4.01 2| 1.0 6
gpp250-2	251 | 250; ; ;	15 | 8.18689562 1 | 8.18689574 1	1.3-10| 2.6-11| 1.2 -9| 7.4 -9	02	∞ | 4.76 2| 1.6 5
gpp250-3	251 | 250; ; ;	15 | 3.03539317 2 | 3.03539320 2	3.3-10| 6.7-11| 2.1 -9| 5.2 -9	02	∞ | 5.91 2| 1.9 5
gpp250-4	251 | 250; ; ;	14 | 7.47328306 2 | 7.47328305 2	2.2-10| 5.3-11| 4.6 -9| 5.8-10	02	∞ | 7.20 2| 4.0 5
gpp500-1	501 | 500; ; ;	20 | 2.53205508 1 | 2.53205436 1	1.6-12| 2.6-12| 1.4 -7| 1.4 -7	12	∞ | 7.88 2| 1.3 7
gpp500-2	501 | 500; ; ;	19 | 1.56060387 2 | 1.56060387 2	3.1-12| 6.9-12| 6.4-10| 7.7-11	11	∞ | 9.57 2| 1.6 6
gpp500-3	501 | 500; ; ;	16 | 5.13017610 2 | 5.13017602 2	4.3-12| 2.0-12| 7.7 -9| 7.5 -9	10	∞ | 1.17 3| 1.0 6
gpp500-4	501 | 500; ; ;	17 | 1.56701879 3 | 1.56701879 3	8.8-12| 3.8-12| 9.2-10| 8.2-10	10	∞ | 1.50 3| 7.7 5
hinf1	13 | 14; ; ;	23 | -2.03272656 0 | -2.03267445 0	1.3 -7| 4.1 -8| 3.4 -6| 1.0 -5	00	∞ | 7.62 1| 9.2 3
hinf2	13 | 16; ; ;	16 | -1.09692535 1 | -1.09681526 1	3.3 -6| 1.5-11| 2.6 -9| 4.8 -5	00	1.51 5| 5.05 3| 4.6 2
hinf3	13 | 16; ; ;	21 | -5.69679134 1 | -5.69543438 1	7.1 -6| 8.1-12| 3.1 -9| 1.2 -4	00	∞ | 1.48 4| 4.4 3
hinf4	13 | 16; ; ;	21 | -2.74765722 2 | -2.74764791 2	7.9 -8| 1.5 -9| 2.3 -8| 1.7 -6	00	∞ | 1.76 3| 4.6 4
hinf5	13 | 16; ; ;	21 | -3.62897352 2 | -3.62557102 2	1.5 -4| 1.3 -9| 4.3 -7| 4.7 -4	00	∞ | 1.04 5| 2.0 4
hinf6	13 | 16; ; ;	22 | -4.48972738 2 | -4.48952353 2	1.5 -5| 1.3 -8| 3.6 -6| 2.3 -5	00	∞ | 6.76 4| 1.2 5
hinf7	13 | 16; ; ;	18 | -3.90826676 2 | -3.90819918 2	9.6 -6| 1.8-10| 1.1 -6| 8.6 -6	00	∞ | 3.55 5| 2.7 4
hinf8	13 | 16; ; ;	21 | -1.16191071 2 | -1.16168510 2	2.8 -5| 1.0-11| 3.3 -9| 9.7 -5	00	∞ | 1.63 4| 2.5 4
hinf9	13 | 16; ; ;	21 | -2.36249277 2 | -2.36249258 2	1.0 -6| 1.4-14| 4.1-10| 3.9 -8	00	3.09 2| 1.01 6| 7.5 4
hinf10	21 | 18; ; ;	28 | -1.08833666 2 | -1.08781552 2	1.3 -7| 6.8 -8| 6.0 -5| 2.4 -4	00	∞ | 1.60 3| 1.7 6
hinf11	31 | 22; ; ;	25 | -6.59349948 1 | -6.59169026 1	3.7 -7| 1.7 -7| 4.5 -4| 1.4 -4	01	∞ | 1.26 3| 1.1 6
hinf12	43 | 24; ; ;	60 | -6.92650138-5 | -5.39089136-5	8.9-12| 3.0 -6| 4.8 -5| 1.5 -5	01	∞ | 1.42 3| 4.1 11
hinf13	57 | 30; ; ;	32 | -4.43539604 1 | -4.43495652 1	5.1 -5| 3.1 -7| 2.0 -4| 4.9 -5	01	∞ | 9.37 4| 1.8 7
hinf14	73 | 34; ; ;	29 | -1.29900752 1 | -1.29900668 1	3.5 -7| 1.9 -7| 2.5 -5| 3.1 -7	01	∞ | 3.28 3| 8.0 5
hinf15	91 | 37; ; ;	30 | -2.40107940 1 | -2.40066089 1	3.2 -5| 3.5 -6| 4.0 -3| 8.5 -5	01	∞ | 1.78 5| 1.2 6
infd1	10 | 30; ; ;	11 | -4.25720801 0 | 1.5422863919	primal infeasible	00	
infd2	10 | 30; ; ;	11 | 5.26001444 0 | 2.0993105820	primal infeasible	00	
infp1	10 | 30; ; ;	31 | -9.4170967815 | -9.56504509 0	dual infeasible	00	
infp2	10 | 30; ; ;	31 | -3.0046017715 | -7.56587983 0	dual infeasible	00	
mcp100	100 | 100; ; ;	12 | -2.26157351 2 | -2.26157352 2	1.2-11| 1.0-12| 2.0 -9| 2.0 -9	00	1.00 2| 1.92 2| 5.0 1
mcp124-1	124 | 124; ; ;	12 | -1.41990475 2 | -1.41990477 2	3.6-12| 1.0-12| 7.5 -9| 7.5 -9	00	1.24 2| 1.91 2| 6.5 1
mcp124-2	124 | 124; ; ;	13 | -2.69880170 2 | -2.69880171 2	2.0-13| 1.1-12| 4.1-10| 4.1-10	01	1.24 2| 2.35 2| 6.3 1
mcp124-3	124 | 124; ; ;	12 | -4.67750110 2 | -4.67750114 2	6.5-13| 1.0-12| 4.9 -9| 4.9 -9	01	1.24 2| 2.82 2| 6.1 1
mcp124-4	124 | 124; ; ;	13 | -8.64411863 2 | -8.64411864 2	3.2-12| 1.5-12| 4.0-10| 4.0-10	01	1.24 2| 3.53 2| 6.5 1
mcp250-1	250 | 250; ; ;	14 | -3.17264340 2 | -3.17264340 2	6.7-13| 1.0-12| 9.7-10| 9.7-10	01	2.50 2| 4.02 2| 1.3 2
mcp250-2	250 | 250; ; ;	13 | -5.31930081 2 | -5.31930084 2	1.4-11| 1.0-12| 2.6 -9| 2.6 -9	01	2.50 2| 4.76 2| 1.1 2
mcp250-3	250 | 250; ; ;	13 | -9.81172566 2 | -9.81172572 2	6.9-12| 1.0-12| 2.8 -9| 2.8 -9	01	2.50 2| 5.90 2| 1.0 2
mcp250-4	250 | 250; ; ;	14 | -1.68196010 3 | -1.68196011 3	1.8-13| 1.0-12| 4.5 -9| 4.5 -9	01	2.50 2| 7.21 2| 1.1 2
mcp500-1	500 | 500; ; ;	15 | -5.98148516 2 | -5.98148517 2	8.5-13| 1.0-12| 5.5-10| 5.5-10	04	5.00 2| 7.86 2| 2.3 2
mcp500-2	500 | 500; ; ;	16 | -1.07005676 3 | -1.07005677 3	4.1-13| 1.2-12| 1.2 -9| 1.2 -9	05	5.00 2| 9.59 2| 2.1 2
mcp500-3	500 | 500; ; ;	14 | -1.84796999 3 | -1.84797002 3	1.1-12| 1.0-12| 9.2 -9| 9.2 -9	05	5.00 2| 1.17 3| 1.9 2
mcp500-4	500 | 500; ; ;	13 | -3.56673799 3 | -3.56673805 3	3.4-12| 1.0-12| 8.8 -9| 8.8 -9	05	5.00 2| 1.51 3| 1.9 2
qap5	136 | 26; ; ;	10 | 4.36000000 2 | 4.36000000 2	8.3-12| 2.7-10| 7.5-10| 4.4-10	01	∞ | 1.35 3| 8.7 3
qap6	229 | 37; ; ;	18 | 3.81393157 2 | 3.81416161 2	4.6 -7| 1.8-10| 2.6 -9| 3.0 -5	02	∞ | 3.33 3| 5.1 4

Table 1: Performance of `sdpt3.m`. In the table, err = [`pinfeas`,`dinfeas`,`relgap`,`relgap2`], where `relgap2` is the same as `relgap` but with the numerator replaced by $|\langle c,\, x\rangle - b^T y|$, and `normXZ` $= \max\{\|x^*\|, \|z^*\|\}$. We declare that g_P (g_D) is ∞ if the computed number is larger than 10^{12}.

problem	m | $n_s; n_q; n_l; n_u$	it. | primal obj | dual obj	err	time	g_P | g_D | `normXZ`
qap7	358 | 50; ; ;	16 | 4.24788135 2 | 4.24804149 2	3.3 -7| 3.0-10| 4.2 -9| 1.9 -5	01	∞ | 4.07 3| 5.8 4
qap8	529 | 65; ; ;	17 | 7.56841647 2 | 7.56899243 2	9.1 -7| 2.5 -9| 3.1 -8| 3.8 -5	01	∞ | 7.07 3| 7.8 4
qap9	748 | 82; ; ;	17 | 1.40991866 3 | 1.40992993 3	5.8 -8| 1.7 -9| 1.5 -8| 4.0 -6	02	∞ | 1.11 4| 2.7 5
qap10	1021 | 101; ; ;	17 | 1.09254045 3 | 1.09257436 3	2.7 -7| 1.9 -9| 2.0 -8| 1.6 -5	05	∞ | 1.46 4| 1.6 5
ss30	132 | 294; ; 132;	22 | -2.02395096 1 | -2.02395106 1	1.2 -7| 5.8-11| 3.2 -8| 2.4 -8	12	1.02 3| 2.40 5| 1.8 3
theta1	104 | 50; ; ;	11 | -2.29999997 1 | -2.30000001 1	1.1-11| 4.6-12| 8.2 -9| 8.2 -9	00	5.00 1| 1.15 3| 2.1 2
theta2	498 | 100; ; ;	13 | -3.28791689 1 | -3.28791690 1	1.2-12| 1.3-12| 1.4 -9| 1.4 -9	01	1.00 2| 3.29 3| 4.3 2
theta3	1106 | 150; ; ;	14 | -4.21669813 1 | -4.21669815 1	3.5-11| 1.0-12| 2.6 -9| 2.6 -9	02	1.50 2| 6.33 3| 6.6 2
theta4	1949 | 200; ; ;	14 | -5.03212213 1 | -5.03212220 1	2.4-13| 1.0-12| 7.0 -9| 7.0 -9	08	2.00 2| 1.01 4| 9.1 2
theta5	3028 | 250; ; ;	14 | -5.72323069 1 | -5.72323073 1	1.8-13| 1.0-12| 3.5 -9| 3.5 -9	24	2.50 2| 1.43 4| 1.2 3
theta6	4375 | 300; ; ;	14 | -6.34770870 1 | -6.34770872 1	1.4-12| 1.0-12| 1.5 -9| 1.6 -9	59	3.00 2| 1.90 4| 1.4 3
truss1	6 | 12; ; 1;	9 | 8.99999651 0 | 8.99999629 0	2.3 -9| 9.8-11| 6.9 -9| 1.2 -8	00	4.56 2| 1.30 1| 2.4 1
truss2	58 | 132; ; 1;	13 | 1.23380357 2 | 1.23380356 2	9.3-10| 5.7-10| 2.2 -9| 3.7 -9	00	6.53 4| 1.33 2| 7.1 2
truss3	27 | 30; ; 1;	12 | 9.10999627 0 | 9.10999613 0	3.8-14| 9.9-13| 7.1 -9| 7.1 -9	00	1.14 3| 3.10 1| 2.4 1
truss4	12 | 18; ; 1;	11 | 9.00999645 0 | 9.00999629 0	3.8 -9| 1.1-11| 8.2-11| 8.2 -9	00	6.79 2| 1.90 1| 2.4 1
truss5	208 | 330; ; 1;	15 | 1.32635678 2 | 1.32635678 2	1.5-10| 3.3-12| 5.8-10| 5.7-10	01	1.75 5| 3.31 2| 7.6 2
truss6	172 | 450; ; 1;	25 | 9.01001427 2 | 9.01001389 2	5.5 -8| 2.3-11| 1.4 -8| 2.1 -8	01	1.62 6| 4.51 2| 1.1 4
truss7	86 | 300; ; 1;	22 | 9.00001551 2 | 9.00001372 2	1.3 -8| 1.7-11| 1.0 -7| 9.9 -8	00	1.08 6| 3.01 2| 1.1 4
truss8	496 | 627; ; 1;	16 | 1.33114589 2 | 1.33114589 2	2.2-10| 8.4-12| 2.8-10| 2.8-10	03	3.35 5| 6.28 2| 7.7 2
maxG11	800 | 800; ; ;	15 | -6.29164777 2 | -6.29164783 2	1.3-12| 1.0-12| 4.8 -9| 4.8 -9	12	8.00 2| 1.41 3| 3.8 2
maxG32	2000 | 2000; ; ;	15 | -1.56763961 3 | -1.56763964 3	7.0-12| 1.0-12| 9.9 -9| 9.9 -9	1:47	2.00 3| 3.56 3| 7.7 2
maxG51	1000 | 1000; ; ;	17 | -4.00625552 3 | -4.00625552 3	3.6-13| 1.0-12| 2.6-10| 2.6-10	28	1.00 3| 2.05 3| 3.2 2
qpG11	800 | 1600; ; ;	15 | -2.44865909 3 | -2.44865913 3	8.6-13| 1.0-12| 8.4 -9| 8.4 -9	12	1.60 3| 6.50 3| 3.8 2
qpG51	1000 | 2000; ; ;	17 | -1.18179999 4 | -1.18180000 4	1.4-11| 1.1-12| 2.1 -9| 2.1 -9	25	2.00 3| 2.56 4| 9.9 2
thetaG11	2401 | 801; ; ;	18 | -3.99999995 2 | -4.00000000 2	5.0-12| 1.0-12| 6.3 -9| 6.3 -9	40	2.40 3| 9.47 2| 8.0 2
thetaG51	6910 | 1001; ; ;	39 | -3.48999980 2 | -3.49000001 2	4.0 -8| 2.3-12| 1.9 -8| 2.9 -8	18:00	3.10 4| 1.10 3| 7.2 2
equalG11	801 | 801; ; ;	17 | -6.29155292 2 | -6.29155293 2	4.6-12| 9.9-13| 3.1-10| 2.8-10	31	1.60 3| 2.21 3| 2.6 5
equalG51	1001 | 1001; ; ;	18 | -4.00560128 3 | -4.00560132 3	5.8-11| 5.1-12| 4.3 -9| 4.2 -9	59	2.00 3| 3.05 3| 4.8 5
bm1	883 | 882; ; ;	20 | 2.34398345 1 | 2.34398185 1	5.9-12| 3.1-12| 3.4 -7| 3.3 -7	44	∞ | 1.41 3| 1.2 7
copo14	1275 | 196; ; 364;	17 | 3.05271933-10 | -8.22282898-10	1.1-13| 1.5-12| 1.1 -9| 1.1 -9	02	7.98 2| 8.40 2| 7.1 1
copo23	5820 | 529; ; 1771;	20 | 2.21718748-10 | -5.46605094-10	7.9-13| 1.0-12| 7.7-10| 7.7-10	57	2.90 3| 3.25 3| 1.5 2
hamming-7-	1793 | 128; ; ;	8 | -4.26666661 1 | -4.26666668 1	1.0-10| 3.7-11| 8.3 -9| 8.3 -9	03	1.28 2| 5.46 3| 5.0 2
hamming-9-	2305 | 512; ; ;	9 | -2.23999998 2 | -2.24000001 2	3.4-11| 2.2-11| 6.1 -9| 6.1 -9	10	5.12 2| 1.15 5| 5.5 3
minphase	48 | 48; ; ;	11 | 5.77209594-1 | 5.77209579-1	2.6-13| 2.3-12| 7.0 -9| 6.9 -9	00	∞ | 1.18 3| 1.9 2
torusg3-8	512 | 512; ; ;	15 | -4.83409459 7 | -4.83409459 7	2.5-13| 1.0-12| 1.0 -9| 1.0 -9	05	5.12 2| 4.70 7| 2.6 6
toruspm3-8	512 | 512; ; ;	14 | -5.27808661 2 | -5.27808663 2	4.4-11| 1.0-12| 2.2 -9| 2.2 -9	05	5.12 2| 1.04 3| 2.1 2
torusg3-15	3375 | 3375; ; ;	16 | -6.37621845 3 | -6.37621855 3	3.7-13| 1.0-12| 7.4 -9| 7.4 -9	9:31	3.38 3| 9.70 3| 1.1 3
toruspm3-1	3375 | 3375; ; ;	16 | -3.47513185 3 | -3.47513186 3	5.7-13| 1.0-12| 1.7 -9| 1.7 -9	9:39	3.38 3| 6.85 3| 9.9 2
filter48	969 | 48; 49; 931;	41 | 1.41612915 0 | 1.41612864 0	9.5 -8| 1.2 -9| 1.7 -7| 1.3 -7	25	1.14 8| 2.30 3| 4.6 2
filtinf1	983 | 49; 49; 945;	34 | 0.00000000-16 | 1.20609862 2	primal infeasible	22	
nb	123 | ; 2379; 4;	25 | -5.07030871-2 | -5.07030950-2	1.4-10| 5.4-10| 7.6 -9| 7.1 -9	07	1.59 3| ∞ | 1.7 0
nb-L1	915 | ; 2379; 797;	36 | -1.30122706 1 | -1.30122707 1	4.0-10| 3.8-10| 9.0 -9| 4.1 -9	14	3.16 3| ∞ | 9.8 1
nb-L2	123 | ; 4191; 4;	19 | -1.62897198 0 | -1.62897196 0	5.9-11| 7.3 -9| 1.3 -9| 3.0 -9	10	1.68 3| ∞ | 5.8 0
nb-L2-bess	123 | ; 2637; 4;	17 | -1.02569503-1 | -1.02569511-1	8.0-12| 2.4 -9| 7.3 -9| 6.4 -9	05	1.68 3| ∞ | 5.3 0
nql30	3680 | ; 2700; 3602;	35 | -9.46028479-1 | -9.46028497-1	1.5 -9| 2.2-10| 9.2 -9| 6.2 -9	03	5.40 3| ∞ | 5.4 1
nql60	14560 | ; 10800; 14402;	42 | -9.35052923-1 | -9.35052943-1	1.4 -9| 1.3-10| 6.9 -9| 7.1 -9	21	2.16 4| ∞ | 1.1 2
nql180	130080 | ; 97200; 129602;	61 | -9.27728615-1 | -9.27728621-1	5.7 -9| 9.7-12| 7.9 -9| 2.0 -9	5:07	1.94 5| ∞ | 3.2 2
qssp30	3691 | ; 7564; 2;	22 | -6.49667580 0 | -6.49667575 0	9.1 -9| 4.5-10| 6.0-11| 3.5 -9	03	3.78 3| ∞ | 6.2 1
qssp60	14581 | ; 29524; 2;	28 | -6.56270638 0 | -6.56270644 0	6.7 -9| 3.2-10| 7.4-10| 4.2 -9	17	1.48 4| ∞ | 1.2 2
qssp180	130141 | ; 261364; 2;	37 | -6.63959903 0 | -6.63960691 0	3.5 -7| 7.7 -9| 1.3 -9| 5.5 -7	4:48	1.31 5| ∞ | 3.6 2
sched-50-5	2527 | ; 2477; 2502;	37 | 2.66730025 4 | 2.66730009 4	5.6 -8| 3.1 -8| 3.1 -8| 3.0 -8	02	9.76 6| 2.24 6| 1.3 5
sched-100-	4844 | ; 4744; 5002;	34 | 1.81915139 5 | 1.81884771 5	2.2 -5| 1.1 -6| 8.4 -5| 8.3 -5	04	2.95 7| 1.53 6| 2.6 5
sched-100-	8338 | ; 8238; 10002;	31 | 7.17499025 5 | 7.17362685 5	2.1 -5| 2.3 -5| 9.5 -5| 9.5 -5	09	2.59 8| 7.88 7| 9.6 5
sched-200-	18087 | ; 17887; 20002;	39 | 1.41361263 5 | 1.41360169 5	7.1 -5| 2.9 -6| 3.9 -6| 3.9 -6	39	9.07 7| 6.80 6| 2.2 5
sched-50-5	2526 | ; 2475; 2502;	28 | 7.85203852 0 | 7.85203844 0	3.1 -8| 7.6-10| 5.0 -9| 4.9 -9	02	5.42 3| 8.11 5| 3.7 1
sched-100-	4843 | ; 4742; 5002;	31 | 6.71650335 1 | 6.71650307 1	3.0 -8| 2.3-10| 2.3 -8| 2.0 -8	04	1.59 6| 5.70 5| 6.0 4
sched-100-	8337 | ; 8236; 10002;	26 | 2.73307954 1 | 2.73307853 1	2.4 -8| 4.4-10| 2.1 -7| 1.8 -7	08	1.99 4| 3.70 7| 1.6 5
sched-200-	18086 | ; 17885; 20002;	32 | 5.18119621 1 | 5.18119610 1	2.4 -7| 1.2-10| 1.1 -8| 1.0 -8	33	6.30 4| 2.76 6| 7.7 4
biggs	1819 | 702; ; ;	54 | -1.41425840 3 | -1.41425840 3	6.2-10| 9.8-12| 2.1 -9| 2.1 -9	1:22	5.79 4| 6.06 9| 3.5 7
buck1	36 | 49; ; 36;	17 | -1.46419152 2 | -1.46419152 2	3.1-10| 1.5-12| 5.8-10| 5.8-10	01	1.86 2| 2.89 4| 7.7 2
buck2	144 | 193; ; 144;	21 | -2.92368264 2 | -2.92368296 2	5.3 -8| 4.8-10| 5.4 -8| 5.5 -8	04	4.50 2| 1.31 6| 1.0 4
buck3	544 | 641; ; 544;	31 | -6.07601691 2 | -6.07606037 2	3.8 -6| 2.6 -8| 3.5 -6| 3.6 -6	15	1.55 3| 1.94 7| 2.2 5

Table 1: Performance of `sdpt3.m`. In the table, err = [`pinfeas`,`dinfeas`,`relgap`,`relgap2`], where `relgap2` is the same as `relgap` but with the numerator replaced by $|\langle c,\, x\rangle - b^T y|$, and `normXZ` $= \max\{\|x^*\|, \|z^*\|\}$. We declare that g_P (g_D) is ∞ if the computed number is larger than 10^{12}.

problem	m | $n_s; n_q; n_l; n_u$	it. | primal obj | dual obj	err	time	g_P | g_D | `normXZ`
buck4	1200 | 1345; ; 1200;	37 | -4.86141974 2 | -4.86141983 2	8.0 -8| 7.2-10| 9.7 -9| 8.7 -9	1:34	3.39 3| 1.75 8| 2.7 4
buck5	3280 | 3521; ; 3280;	40 | -4.36197041 2 | -4.36263509 2	1.3 -6| 1.7 -7| 7.6 -5| 7.6 -5	13:49	8.69 3| 9.45 8| 6.1 4
cnhil10	5005 | 220; ; ;	33 | 0.00000000-16 | -1.60338275-4	4.4 -8| 7.1 -9| 5.6 -5| 1.6 -4	44	∞ | 3.50 2| 9.8 4
cnhil8	1716 | 120; ; ;	31 | 0.00000000-16 | -4.08644723-6	1.9 -8| 2.1 -9| 3.5 -8| 4.1 -6	06	∞ | 2.08 2| 1.3 4
cphil10	5005 | 220; ; ;	10 | 0.00000000-16 | -2.45483691-10	6.7-16| 1.0-12| 2.6-10| 2.5-10	22	5.00 2| 3.50 2| 1.4 1
cphil12	12376 | 364; ; ;	10 | 0.00000000-16 | -2.43524851-9	0.9-15| 2.0-12| 2.5 -9| 2.4 -9	3:13	7.85 2| 5.44 2| 1.5 1
G40-mb	2001 | 2000; ; ;	21 | -2.86432297 3 | -2.86432323 3	1.9-12| 4.2-12| 4.5 -8| 4.5 -8	16:23	∞ | 4.91 3| 7.4 7
G40mc	2000 | 2000; ; ;	18 | -5.72957909 3 | -5.72957911 3	4.8-12| 1.0-12| 1.1 -9| 1.1 -9	4:02	2.00 3| 7.83 3| 6.4 2
G48mc	3000 | 3000; ; ;	12 | -1.20000000 4 | -1.20000000 4	2.6-13| 3.2-12| 3.8-10| 3.7-10	4:11	3.00 3| 9.00 3| 3.0 3
mater-1	103 | 220; ; 2;	15 | 1.43465440 2 | 1.43465438 2	1.9-10| 2.3-12| 8.1 -9| 8.2 -9	00	1.05 5| 2.22 2| 1.1 3
mater-2	423 | 1012; ; 2;	17 | 1.41591867 2 | 1.41591866 2	3.7-11| 7.6-12| 1.9 -9| 1.9 -9	01	4.72 5| 1.01 3| 2.4 3
mater-3	1439 | 3586; ; 2;	18 | 1.33916257 2 | 1.33916256 2	1.6-10| 2.0-11| 5.3 -9| 5.3 -9	05	1.58 6| 3.59 3| 4.2 3
mater-4	4807 | 12496; ; 2;	21 | 1.34262717 2 | 1.34262716 2	8.8-11| 1.2-11| 5.0 -9| 5.0 -9	21	5.52 6| 1.25 4| 7.9 3
mater-5	10143 | 26818; ; 2;	23 | 1.33801640 2 | 1.33801640 2	1.0-10| 1.4-11| 2.4 -9| 2.5 -9	53	1.18 7| 2.68 4| 1.1 4
mater-6	20463 | 54626; ; 2;	29 | 1.33538715 2 | 1.33538715 2	4.5-10| 4.4-11| 2.7 -9| 2.7 -9	2:26	2.40 7| 5.46 4| 1.6 4
neosfbr12	1441 | 122; ; ;	17 | 5.29319164 2 | 5.29319158 2	8.5-11| 1.2-12| 5.3 -9| 5.3 -9	09	1.06 4| 8.15 3| 7.5 3
prob-1-2-0	100 | 200; ; ;	25 | 4.3881330910 | 4.3881330210	1.4 -8| 6.8-15| 3.2 -8| 7.3 -9	24	5.19 2| ∞ | 1.8 7
prob-1-2-1	100 | 200; ; ;	20 | -5.5663592210 | -5.5663593310	4.4-14| 1.0-12| 9.7 -9| 9.6 -9	20	9.49 2| 1.22 8| 9.3 2
prob-2-4-0	200 | 400; ; ;	27 | -6.2807066510 | -6.2807074510	3.7 -8| 1.9-15| 4.9 -8| 6.4 -8	3:35	8.80 2| ∞ | 6.7 7
prob-2-4-1	200 | 400; ; ;	27 | 9.54281067 9 | 9.54281051 9	8.0-14| 3.2-13| 9.0 -9| 8.2 -9	8:49	1.77 3| 9.51 7| 1.9 3
neu1	3003 | 252; ; 2;	41 | -7.26676865-9 | -1.99826835-7	6.9-10| 4.2-10| 4.4 -7| 1.9 -7	8:24	∞ | ∞ | 1.1 3
neu1g	3002 | 252; ; ;	33 | 1.25000007 2 | 1.24999847 2	7.7-10| 1.0 -9| 1.7 -6| 6.4 -7	7:09	∞ | 1.64 3| 1.8 6
neu2	3003 | 252; ; 2;	43 | -3.96541382-4 | -2.23051493-4	4.4 -9| 1.5-10| 5.0 -4| 1.7 -4	8:01	∞ | ∞ | 1.5 5
neu2c	3002 | 1253; ; 2;	65 | 3.43713381 4 | 3.38996378 4	3.2 -5| 1.2 -6| 8.4 -3| 6.9 -3	25:45	∞ | 1.74 10| 9.0 8
neu2g	3002 | 252; ; ;	33 | 3.41000047 4 | 3.40998796 4	4.1 -8| 3.9 -9| 4.1 -6| 1.8 -6	6:48	∞ | 1.64 3| 1.0 7
neu3	7364 | 418; ; 2;	47 | 3.19225137-10 | -2.49655303-9	1.9-12| 1.2-12| 6.1 -9| 2.8 -9	5:36	∞ | ∞ | 1.5 3
neu3g	8007 | 462; ; ;	49 | 1.58672362-5 | -9.13182744-5	5.4-15| 3.6 -6| 2.4 -4| 1.1 -4	7:00	∞ | 2.55 3| 1.1 11
rendl1-600	601 | 600; ; ;	15 | -5.57968705 4 | -5.57968706 4	1.9-10| 5.5-11| 2.1 -9| 1.3 -9	36	∞ | 5.64 4| 1.2 7
r1-6-0	601 | 600; ; ;	15 | -5.57968705 4 | -5.57968706 4	1.9-10| 5.5-11| 2.1 -9| 1.3 -9	44	∞ | 5.64 4| 1.2 7
r1-6-1	601 | 600; ; ;	14 | -5.58043922 4 | -5.58043924 4	4.3-11| 1.1-12| 2.3 -9| 2.2 -9	38	3.60 5| 5.64 4| 2.7 3
r1-6-1e-6	601 | 600; ; ;	19 | -5.57968731 4 | -5.57968731 4	1.1 -8| 1.9-11| 1.3-10| 2.8-10	56	∞ | 5.64 4| 7.7 5
rose13	2379 | 105; ; ;	31 | 1.20000005 1 | 1.19999999 1	5.8-10| 1.9-11| 4.9 -9| 2.4 -8	1:13	∞ | 1.19 2| 1.1 4
rose15	3860 | 135; ; 2;	47 | 1.40096194-7 | -2.71682585-8	4.4 -8| 6.5-12| 2.6 -8| 1.7 -7	8:07	∞ | ∞ | 7.1 2
sdmint3	5255 | 379; 5255; ;	37 | -1.28667151 1 | -1.28512439 1	7.1 -7| 2.7 -7| 2.9 -4| 5.8 -4	30:52	∞ | 8.86 4| 2.4 5
shmup1	16 | 81; ; 32;	15 | -1.88414829 2 | -1.88414833 2	1.8-11| 1.7-12| 9.6 -9| 9.5 -9	01	1.50 2| 1.40 6| 3.0 3
shmup2	200 | 881; ; 400;	32 | -3.46242679 3 | -3.46242683 3	2.9 -9| 1.1-12| 5.9 -9| 5.4 -9	32	1.35 3| 3.77 7| 2.5 5
shmup3	420 | 1801; ; 840;	37 | -2.09883786 3 | -2.09883788 3	5.8 -9| 8.6-13| 6.0 -9| 5.5 -9	3:28	2.74 3| 2.91 7| 3.3 5
shmup4	800 | 3361; ; 1600;	55 | -7.99255143 3 | -7.99255154 3	8.5 -9| 1.2-12| 8.7 -9| 7.4 -9	22:20	5.10 3| 6.73 7| 4.2 5
taha1a	3002 | 1680; ; ;	27 | -9.99980977-1 | -1.00007577 0	6.2 -5| 2.9-10| 3.6 -5| 3.2 -5	11:30	∞ | 1.07 10| 1.4 7
taha1b	8007 | 1606; ; 3;	33 | -7.73287084-1 | -7.73322140-1	3.2-11| 1.1 -7| 1.4 -5| 1.4 -5	22:00	∞ | 2.52 5| 1.2 10
trto1	36 | 25; ; 36;	13 | -1.10450000 3 | -1.10450000 3	7.3-11| 1.5-12| 1.4 -9| 1.4 -9	00	1.11 2| 3.14 4| 4.8 3
trto2	144 | 97; ; 144;	21 | -1.27999961 4 | -1.28000008 4	7.6 -7| 6.0 -9| 1.9 -7| 1.8 -7	02	2.97 2| 1.37 6| 1.0 5
trto3	544 | 321; ; 544;	25 | -1.27999912 4 | -1.28000052 4	1.7 -5| 5.7 -8| 5.4 -7| 5.5 -7	08	1.05 3| 9.69 6| 2.7 5
trto4	1200 | 673; ; 1200;	33 | -1.27658074 4 | -1.27658288 4	3.8 -6| 8.8 -8| 9.2 -7| 8.4 -7	46	2.29 3| 3.74 7| 5.3 5
trto5	3280 | 1761; ; 3280;	35 | -1.27996987 4 | -1.28000014 4	8.9 -5| 6.7 -7| 1.3 -5| 1.2 -5	10:45	5.99 3| 2.39 8| 1.3 6
vibra1	36 | 49; ; 36;	13 | -4.08190123 1 | -4.08190124 1	1.5-11| 1.0-12| 1.8 -9| 1.8 -9	00	1.85 2| 1.63 4| 1.0 3
vibra2	144 | 193; ; 144;	25 | -1.66015334 2 | -1.66015365 2	3.9 -8| 7.3-10| 1.0 -7| 9.2 -8	05	4.50 2| 1.34 6| 3.3 4
vibra3	544 | 641; ; 544;	32 | -1.72612806 2 | -1.72613080 2	3.8 -6| 2.1 -9| 8.8 -7| 7.9 -7	15	1.55 3| 1.62 7| 1.5 5
vibra4	1200 | 1345; ; 1200;	35 | -1.27658137 4 | -1.27658264 4	5.9 -6| 1.0 -7| 6.3 -7| 4.9 -7	1:32	3.39 3| 7.43 7| 5.3 5
vibra5	3280 | 3521; ; 3280;	66 | -1.65900646 2 | -1.65903463 2	9.7 -6| 1.7 -8| 9.3 -6| 8.5 -6	35:15	8.69 3| 1.12 9| 5.4 5
yalsdp	5051 | 300; ; ;	13 | -1.79212672 0 | -1.79212675 0	2.1-10| 2.1-12| 5.9 -9| 6.4 -9	8:42	2.59 3| 4.99 3| 3.9 2
checker-1.	3970 | 3970; ; ;	23 | 3.30388456 3 | 3.30388454 3	1.2-12| 1.0-12| 2.9 -9| 2.9 -9	17:12	3.97 3| 1.82 4| 2.9 3
foot	2209 | 2208; ; ;	25 | -5.85293968 5 | -5.85298171 5	3.2 -6| 7.9 -8| 3.6 -6| 3.6 -6	13:10	∞ | 5.90 5| 3.7 8
hand	1297 | 1296; ; ;	17 | -2.47477790 4 | -2.47477791 4	1.1-11| 7.6-11| 1.9 -9| 1.9 -9	4:37	∞ | 2.48 4| 2.1 7
inc-600	2515 | 600; ; 2514;	32 | -6.68278108-1 | -6.68550231-1	4.5 -8| 1.7 -9| 1.2 -4| 1.2 -4	2:33	∞ | 2.67 5| 2.4 7
inc-1200	5175 | 1200; ; 5174;	44 | -1.15738763 0 | -1.15747045 0	5.0 -8| 1.6 -9| 3.2 -5| 2.5 -5	10:25	∞ | 6.25 5| 9.6 7
tiger-text	1802 | 1801; ; ;	36 | 3.44842540 2 | 3.44360815 2	7.3 -8| 1.6 -8| 1.0 -3| 7.0 -4	6:59	∞ | 3.33 3| 1.0 9
butcher	6434 | 330; ; 22512;	53 | -1.39999895 1 | -1.39999999 1	3.0 -6| 6.4-10| 1.4 -7| 3.6 -7	34:56	2.28 4| ∞ | 4.3 3
rabmo	5004 | 220; ; 6606;	37 | -3.72725267 0 | -3.72724667 0	4.0 -7| 7.5 -8| 8.7 -7| 7.1 -7	6:40	6.83 3| ∞ | 4.8 2
chs-500	9974 | 4980; ; ;	24 | 7.18222801-10 | -6.43232980-9	1.2-15| 1.0-12| 7.3 -9| 7.2 -9	12	7.35 7| 6.97 3| 2.2 1
nonc-500	4990 | 2998; ; ;	23 | 6.25761441-2 | 6.25594864-2	5.0-10| 5.9-11| 1.5 -5| 1.5 -5	03	2.26 4| 6.00 3| 6.6 1
ros-500	4988 | 2992; ; ;	17 | 2.49499944 0 | 2.49499939 0	8.2-10| 3.4-12| 7.1 -9| 7.8 -9	02	3.18 5| 4.49 3| 1.3 2

Table 1: Performance of `sdpt3.m`. In the table, err = [`pinfeas`,`dinfeas`,`relgap`,`relgap2`], where `relgap2` is the same as `relgap` but with the numerator replaced by $|\langle c,\, x\rangle - b^T y|$, and `normXZ` $= \max\{\|x^*\|, \|z^*\|\}$. We declare that g_P (g_D) is ∞ if the computed number is larger than 10^{12}.

problem	m | $n_s; n_q; n_l; n_u$	it. | primal obj | dual obj	err	time	g_P | g_D | `normXZ`
fp210	1000 | 176; ; ; 66	25 | 3.75000000-1 | 3.75000001-1	2.9-11| 1.3 -9| 1.2-10| 7.4-10	09	∞ | ∞ | 1.5 1
fp22	14 | 15; ; ;	12 | -7.99999999 0 | -8.00000002 0	2.1-11| 1.3-11| 2.1 -9| 1.7 -9	00	1.14 2| 1.12 5| 6.7 1
fp23	209 | 119; ; ;	27 | 2.13000000 2 | 2.13000000 2	5.5-12| 4.2-12| 1.4 -9| 1.2 -9	01	∞ | 2.95 3| 2.3 5
fp24	2379 | 595; ; ;	22 | 1.95000000 2 | 1.94999998 2	1.7-11| 1.0-12| 7.8 -9| 7.3 -9	52	∞ | 8.15 3| 9.6 4
fp25	209 | 133; ; ;	18 | 1.10000000 1 | 1.10000000 1	9.9-13| 9.9-13| 1.4 -9| 1.3 -9	01	∞ | 5.94 3| 6.9 3
fp26	1000 | 407; ; ;	22 | 2.68014632 2 | 2.68014630 2	1.5-10| 1.1-11| 5.5 -9| 4.5 -9	09	∞ | 5.18 5| 3.3 5
fp27	1000 | 341; ; ;	22 | 3.90000002 1 | 3.89999996 1	7.4-11| 6.4-12| 7.5 -9| 6.5 -9	08	∞ | 2.43 5| 8.4 5
fp32	3002 | 1155; ; ;	43 | -7.04918382 0 | -7.04983121 0	5.4 -4| 6.6-10| 6.1 -5| 4.3 -5	7:38	∞ | ∞ | 1.1 8
fp33	125 | 117; ; ;	42 | -1.01265905 4 | -1.01266044 4	1.7 -7| 2.3 -9| 8.6 -7| 6.9 -7	01	∞ | 3.30 10| 3.4 9
fp34	209 | 140; ; ;	22 | 1.72000000 2 | 1.72000000 2	7.5-13| 1.0-12| 7.7-10| 6.4-10	01	∞ | 1.08 4| 2.6 4
fp35	164 | 195; ; ;	19 | 3.99999999 0 | 3.99999999 0	1.3 -9| 2.2-12| 2.2 -9| 6.7-10	03	∞ | 2.85 5| 5.4 4
fp410	14 | 18; ; ; 1	17 | 1.67388932 1 | 1.67388932 1	2.9 -9| 3.1 -9| 3.1-10| 3.2-10	00	∞ | ∞ | 1.6 1
fp42	6 | 10; ; ;	10 | 7.58731237 0 | 7.58731236 0	2.2-12| 2.5-11| 8.5-10| 7.8-10	00	7.19 1| 9.78 1| 5.5 1
fp43	50 | 76; ; ;	16 | 6.63500060 2 | 6.63500124 2	2.7 -9| 1.9-10| 4.2-10| 4.9 -8	01	3.44 3| ∞ | 9.1 2
fp44	6 | 10; ; ;	21 | 4.43671688 2 | 4.43671704 2	4.8 -9| 2.4-10| 2.4 -9| 1.7 -8	00	∞ | 1.22 3| 6.8 4
fp45	4 | 7; ; ;	12 | 2.32020677-9 | -8.03431099-10	8.1-11| 2.5-11| 4.2 -9| 3.1 -9	00	8.30 1| 2.96 1| 1.9 1
fp46	27 | 22; ; ;	20 | 5.45358326-10 | -2.96042821-9	2.8-11| 1.1-11| 3.9 -9| 3.5 -9	00	∞ | 1.49 2| 2.3 3
fp47	6 | 10; ; ;	13 | 2.42999995 2 | 2.42999999 2	1.6 -9| 2.2 -9| 9.3 -9| 8.5 -9	00	1.52 3| 7.99 1| 9.6 2
fp48	4 | 7; ; ;	9 | 7.50000001 0 | 7.49999999 0	4.7-11| 4.3-11| 9.1-10| 8.5-10	00	9.68 1| 2.96 1| 1.5 1
fp49	14 | 18; ; ; 1	17 | 1.67388932 1 | 1.67388932 1	2.9 -9| 3.1 -9| 3.1-10| 3.2-10	00	∞ | ∞ | 1.6 1
l1	14 | 6; ; ;	9 | 4.92634655-1 | 4.92634654-1	9.9-13| 1.5-12| 5.6-10| 5.5-10	00	1.49 1| 9.00 0| 5.7 0
l2	14 | 6; ; ;	8 | 1.14580631 1 | 1.14580631 1	2.4-11| 3.9-10| 1.4 -9| 1.1 -9	00	6.83 1| 9.00 0| 1.4 1
l4	152 | 45; ; ;	21 | 3.70371192-2 | 3.70377081-2	7.3-11| 4.9-11| 5.1 -7| 5.5 -7	01	∞ | 1.06 4| 7.9 3
l5	14 | 15; ; ;	12 | -7.99999999 0 | -8.00000002 0	2.1-11| 1.3-11| 2.1 -9| 1.7 -9	00	1.14 2| 1.12 5| 6.7 1
5n	31 | 26; ; ;	9 | 2.24000001 0 | 2.23999998 0	9.1-11| 1.0-11| 5.4 -9| 5.3 -9	00	2.82 1| 2.60 1| 1.1 1
a12	793 | 79; ; ;	12 | 2.10000000 1 | 2.10000000 1	1.1-11| 1.5-12| 1.3 -9| 1.2 -9	02	1.00 2| 7.90 1| 4.4 1
aw29	465 | 130; ; ;	11 | 3.00000000 0 | 3.00000000 0	4.7-12| 2.9-11| 4.5-10| 4.4-10	07	1.33 2| 1.30 2| 2.1 1
c5	31 | 26; ; ;	8 | 1.50000000 0 | 1.50000000 0	3.0-12| 3.4-12| 4.2-10| 4.2-10	00	2.75 1| 2.60 1| 8.6 0
fp1131	847 | 176; ; ;	11 | 4.50000001 0 | 4.49999995 0	3.9-11| 1.0-12| 6.3 -9| 6.2 -9	17	1.81 2| 1.76 2| 6.2 1
fp1132	847 | 176; ; ;	12 | 1.55000000 1 | 1.54999999 1	1.0-11| 7.8-12| 4.6 -9| 4.6 -9	18	1.92 2| 1.76 2| 1.4 2
fp1133	847 | 176; ; ;	12 | 1.75000000 1 | 1.74999999 1	8.2-12| 4.4-12| 2.2 -9| 2.2 -9	18	1.94 2| 1.76 2| 1.4 2
fp1134	847 | 176; ; ;	12 | 1.95000000 1 | 1.94999998 1	3.8-11| 1.0-12| 7.0 -9| 6.9 -9	18	1.96 2| 1.76 2| 1.4 2
fp1135	847 | 176; ; ;	12 | 2.20000000 1 | 2.19999999 1	9.4-12| 3.9-12| 1.9 -9| 1.8 -9	22	1.98 2| 1.76 2| 5.8 1
fp1136	847 | 176; ; ;	12 | 1.45000000 1 | 1.44999999 1	9.0-12| 3.8-12| 3.5 -9| 3.5 -9	19	1.91 2| 1.76 2| 1.4 2
fp1137	847 | 176; ; ;	12 | 1.65000000 1 | 1.64999999 1	7.8-12| 7.5-12| 3.0 -9| 3.0 -9	19	1.93 2| 1.76 2| 1.1 2
fp1138	847 | 176; ; ;	12 | 1.75000000 1 | 1.74999997 1	4.6-11| 1.0-12| 8.6 -9| 8.4 -9	18	1.94 2| 1.76 2| 1.4 2
fp1139	847 | 176; ; ;	12 | 2.30000000 1 | 2.29999998 1	7.2-12| 6.6-12| 4.7 -9| 4.7 -9	18	1.99 2| 1.76 2| 8.5 1
k5	31 | 31; ; ;	8 | 1.00000000 0 | 9.99999999-1	8.5-13| 2.6-12| 1.1 -9| 1.1 -9	00	3.20 1| 3.10 1| 7.0 0
p10	847 | 176; ; ;	11 | 4.50000001 0 | 4.49999995 0	4.1-11| 1.0-12| 6.3 -9| 6.2 -9	16	1.81 2| 1.76 2| 6.2 1
bifur	454 | 84; ; ; 1661	28 | -3.37301696-1 | -3.37301694-1	2.2 -9| 1.4 -9| 3.6 -9| 9.1-10	07	3.41 3| ∞ | 4.1 1
boom	3002 | 210; ; ; 8764	36 | -3.23707245 2 | -3.23707245 2	4.8 -9| 7.0-10| 1.0-10| 2.8-10	4:57	1.77 4| 6.72 11| 2.8 2
brown	461 | 56; ; ; 925	27 | 2.09326284-10 | 0.00000000-16	2.2-11| 3.6 -9| 2.1-10| 2.1-10	04	∞ | ∞ | 5.7 1
butcher	6434 | 330; ; ; 11256	59 | -1.39999999 1 | -1.40000000 1	2.1 -6| 7.8-12| 9.4-10| 2.1 -9	30:44	2.28 4| 1.91 8| 2.7 3
camera1s	209 | 28; ; ; 168	44 | -1.78686514 4 | -1.78686513 4	1.9 -6| 3.8-11| 3.6-11| 4.8 -9	01	3.64 2| ∞ | 1.3 4
caprasse	209 | 35; ; ; 60	16 | -2.36780177-1 | -2.36780177-1	1.2 -9| 6.1-10| 7.2-12| 1.5-10	02	1.55 2| ∞ | 4.4 0
cdpm5	125 | 21; ; ; 5	14 | 4.50956437-12 | 6.11518578-9	2.8 -9| 5.0 -9| 1.2-10| 6.1 -9	00	3.10 1| ∞ | 3.9 0
chemequ	461 | 56; ; ; 525	16 | -2.77820337 7 | -1.62704475 7	dual infeasible	04	
chemequs	125 | 21; ; ; 45	9 | -5.75312872 8 | -6.24933457 6	dual infeasible	00	
cohn2	209 | 35; ; ; 4	36 | 4.57937090-9 | 1.29980577-7	3.8 -7| 6.9 -7| 1.4 -7| 1.3 -7	06	4.30 1| ∞ | 3.9 0
cohn3	209 | 35; ; ; 4	35 | 7.86066516-9 | 8.98299495-9	2.1 -6| 3.4 -7| 2.3 -7| 1.1 -9	06	4.30 1| ∞ | 4.2 0
comb3000	1000 | 66; ; ; 595	25 | -4.80138795-10 | 1.17568288-9	6.3-12| 4.8 -9| 3.2-10| 1.7 -9	09	1.26 3| 4.88 9| 6.5 0
conform1	83 | 20; ; ; 30	9 | -1.69723199 7 | -1.79353139 6	dual infeasible	01	
conform3	285 | 56; ; ; 630	21 | 1.01682942-13 | 0.00000000-16	2.0-13| 3.6-10| 2.2-11| 1.0-13	02	∞ | ∞ | 2.5 0
conform4	454 | 84; ; ; 1890	21 | 4.05675465-11 | 0.00000000-16	3.4-11| 4.5 -9| 4.4-10| 4.1-11	06	∞ | ∞ | 9.3 0
des22-24	1000 | 66; ; ; 660	37 | -6.74166365 3 | -6.74166365 3	2.0 -8| 4.1-12| 2.1-13| 1.4-12	14	1.39 3| 2.27 10| 6.7 3
discret3	44 | 9; ; ; 8	24 | -3.70033109 1 | -3.70033091 1	2.4 -7| 1.5 -8| 4.0-10| 2.4 -8	00	2.50 1| ∞ | 6.9 2
eco5	461 | 56; ; ; 525	26 | -1.20463311 3 | -1.20463311 3	3.2 -9| 5.8 -9| 1.4-10| 1.2-10	03	1.11 3| 5.21 10| 1.2 3
eco6	923 | 84; ; ; 924	37 | -1.00281559 4 | -1.00281559 4	6.5 -9| 1.3 -9| 1.4-10| 9.8-11	14	1.93 3| 5.76 10| 1.0 4
eco7	1715 | 120; ; ; 1512	37 | -3.91531047 3 | -3.91531047 3	5.3 -9| 2.8 -9| 1.7-10| 4.2-12	47	3.14 3| 1.28 11| 3.9 3
eco8	3002 | 165; ; ; 2340	37 | -5.82038418 3 | -5.82038418 3	5.2 -9| 3.3 -9| 1.2-10| 2.6-11	4:19	4.85 3| 2.96 11| 5.8 3
fourbar	69 | 15; ; ; 4	14 | 1.01084283-12 | 1.17629630-9	1.9-10| 7.4-10| 1.9-11| 1.2 -9	00	2.30 1| ∞ | 3.3 0
geneig	923 | 84; ; ; 546	25 | -2.52663014 0 | -2.52663014 0	2.2-10| 2.3 -9| 3.6-10| 2.5-10	09	1.18 3| 1.38 11| 8.9 0

Table 1: Performance of `sdpt3.m`. In the table, err = [`pinfeas`,`dinfeas`,`relgap`,`relgap2`], where `relgap2` is the same as `relgap` but with the numerator replaced by $|\langle c,\, x\rangle - b^T y|$, and `normXZ` = $\max\{\|x^*\|, \|z^*\|\}$. We declare that g_P (g_D) is ∞ if the computed number is larger than 10^{12}.

problem	m | $n_s; n_q; n_l; n_u$	it. | primal obj | dual obj	err	time	g_P | g_D | `normXZ`
heart	3002 | 165; ; ; 4320	32 | -8.70927420 1 | -8.70927421 1	7.2 -9 | 3.7 -9 | 2.8-10| 4.9-10	3:41	8.81 3| 2.79 11| 1.4 2
i1	1000 | 66; ; ; 10	17 | -1.66775272 0 | -1.66775269 0	3.2 -9 | 5.1 -9 | 7.8-10| 6.2 -9	06	8.60 1| ∞ | 9.4 0
ipp	494 | 45; ; ; 360	22 | -1.31158853 1 | -1.31158853 1	4.2 -9 | 5.8 -9 | 2.4-10| 3.1-11	02	7.65 2| ∞ | 1.7 1
katsura5	209 | 28; ; ; 168	20 | -8.16044579-2 | -8.16044568-2	2.3-10| 1.3 -9| 9.7-11| 9.1-10	01	3.64 2| ∞ | 5.4 0
kinema	714 | 55; ; ; 495	37 | -4.19683963 4 | -4.19683963 4	1.2 -7 | 2.9-12| 1.7-12| 2.6-13	07	1.05 3| ∞ | 4.2 4
ku10	1000 | 66; ; ; 660	34 | -7.13900000 3 | -7.13900000 3	1.5 -7 | 3.8-10| 2.8-11| 1.5-10	12	1.39 3| ∞ | 7.1 3
lorentz	69 | 15; ; ; 60	17 | -5.00000000 0 | -4.99999997 0	8.1-10| 6.3 -9| 7.7-11| 2.0 -9	00	1.35 2| ∞ | 6.1 0
manocha	90 | 28; ; ; 42	36 | -2.46011903-1 | -2.46013262-1	3.0 -5 | 7.5 -9| 3.3 -8| 9.1 -7	02	1.12 2| ∞ | 1.4 3
noon3	83 | 20; ; ; 30	18 | -2.08695033 1 | -2.08695033 1	1.1 -9 | 1.0 -9| 2.3-11| 4.7-12	01	8.00 1| ∞ | 2.6 1
noon4	209 | 35; ; ; 60	18 | -1.71283759 1 | -1.71283759 1	9.6-10| 1.1 -9| 2.6-11| 7.3-11	01	1.55 2| ∞ | 1.9 1
noon5	461 | 56; ; ; 105	18 | -1.58524243 1 | -1.58524243 1	7.5-10| 1.5 -9| 1.9-11| 3.9-11	02	2.66 2| ∞ | 1.7 1
proddeco	69 | 15; ; ; 4	18 | 1.29678458-11 | 4.63789541-10	1.8-10| 8.9-10| 1.5-10| 4.5-10	00	2.30 1| ∞ | 3.3 0
puma	3002 | 165; ; ; 8280	31 | -3.05299489 1 | -3.05299489 1	2.9 -9 | 9.8-11| 5.5-11| 3.8-10	3:38	1.67 4| 9.28 11| 3.4 1
quadfor2	209 | 35; ; ; 270	19 | -6.18518518 0 | -6.18518518 0	1.3 -9 | 7.9-10| 4.1-11| 1.1-10	03	5.75 2| ∞ | 1.9 1
quadgrid	461 | 56; ; ; 505	17 | -1.08801588 7 | -8.42937324 6	dual infeasible	02	
rabmo	5004 | 220; ; ; 3303	42 | -3.72725305 0 | -3.72725176 0	6.7 -8 | 1.7 -8| 1.1 -7| 1.5 -7	7:09	6.83 3| ∞ | 4.5 2
rbpl	923 | 84; ; ; 546	26 | -7.94063377 0 | -7.94063377 0	2.6 -9 | 7.5-10| 6.7-11| 2.3-10	10	1.18 3| ∞ | 3.1 1
redeco5	20 | 6; ; ; 5	13 | -2.53906248-1 | -2.53906249-1	2.3 -9 | 7.6-10| 4.6-11| 8.9-10	00	1.60 1| ∞ | 2.4 0
redeco6	27 | 7; ; ; 6	13 | -2.01599999-1 | -2.01599999-1	1.5 -9 | 7.7-10| 2.8-11| 4.2-10	00	1.90 1| ∞ | 2.6 0
redeco7	35 | 8; ; ; 7	13 | -1.67438272-1 | -1.67438268-1	7.4-11| 5.9 -9| 9.1-11| 2.3 -9	00	2.20 1| ∞ | 2.7 0
redeco8	44 | 9; ; ; 8	13 | -1.43273635-1 | -1.43273635-1	1.6 -9 | 6.1-10| 1.5-11| 3.0-10	00	2.50 1| ∞ | 2.9 0
rediff3	9 | 4; ; ; 3	16 | 7.61297271-13 | 3.66436581-9	1.1 -9 | 2.5 -9| 8.4-12| 3.7 -9	00	1.00 1| ∞ | 1.7 0
rose	679 | 120; ; ; 2281	53 | -1.74379054 0 | -1.74376346 0	2.5 -4 | 4.7 -9| 1.2 -4| 6.0 -6	29	4.68 3| ∞ | 2.8 5
s9-1	494 | 45; ; ; 360	22 | -4.27369563 0 | -4.27369564 0	5.5 -9 | 1.6 -9| 4.3-10| 1.4 -9	02	7.65 2| ∞ | 9.4 0
sendra	65 | 21; ; ; 12	21 | -2.37687542 1 | -2.37687542 1	5.9 -9 | 4.4-10| 1.6-11| 9.2-11	01	4.50 1| ∞ | 4.3 1
solotarev	69 | 15; ; ; 32	18 | -5.88961333 0 | -5.88961333 0	5.7-10| 3.1-10| 7.7-12| 9.8-11	01	7.90 1| ∞ | 1.1 1
stewart1	714 | 55; ; ; 495	28 | -8.76585278 0 | -8.76585278 0	8.6 -9 | 2.0-10| 1.1-11| 3.0-11	05	1.05 3| ∞ | 2.1 1
stewart2	1819 | 91; ; ; 910	28 | -1.27531385 1 | -1.27531386 1	9.9 -9 | 7.6-10| 2.3-10| 1.8 -9	34	1.91 3| ∞ | 1.8 1
trinks	209 | 28; ; ; 141	27 | -2.43523491-1 | -2.43523224-1	6.2 -9 | 8.8 -9| 1.0 -8| 1.8 -7	01	3.10 2| ∞ | 2.8 1
visasoro	44 | 9; ; ; 8	15 | 1.73075654-13 | 1.66876819-9	1.0 -9 | 6.8-10| 4.7-12| 1.7 -9	00	2.50 1| ∞ | 2.8 0
wood	69 | 15; ; ; 32	18 | -6.64233344-2 | -6.64233342-2	1.4-11| 1.4 -9| 1.5-11| 1.7-10	01	7.90 1| ∞ | 3.7 0
wright	20 | 6; ; ; 5	17 | -2.00000000 1 | -1.99999999 1	2.0 -9 | 6.2 -9| 1.3 -9| 1.1 -9	00	1.60 1| ∞ | 2.1 1
nql30o	3680 | ; 2700; 3602;	37 | -9.46028486-1 | -9.46028499-1	1.0 -9 | 1.6-10| 7.1 -9| 4.4 -9	04	5.40 3| ∞ | 5.4 1
nql60o	14560 | ; 10800; 14402;	42 | -9.35052921-1 | -9.35052943-1	1.4 -9 | 1.4-10| 8.2 -9| 7.6 -9	27	2.16 4| ∞ | 1.1 2
nql90o	32640 | ; 24300; 32402;	49 | -9.31383156-1 | -9.31383163-1	5.1-10| 3.2-11| 6.7 -9| 2.4 -9	1:01	4.86 4| ∞ | 1.6 2
nql120o	57920 | ; 43200; 57602;	51 | -9.29550226-1 | -9.29550233-1	4.9 -9 | 2.5-11| 7.4 -9| 2.4 -9	2:03	8.64 4| ∞ | 2.1 2
nql180o	130080 | ; 97200; 129602;	60 | -9.27728615-1 | -9.27728621-1	5.1 -9 | 1.0-11| 7.6 -9| 2.0 -9	5:07	1.94 5| ∞ | 3.2 2
qs30o	1861 | ; 3844; 2;	22 | -6.29531577 0 | -6.29531562 0	2.6 -8 | 1.2 -9| 2.0-12| 1.1 -8	02	1.92 3| ∞ | 4.4 1
qs60o	7321 | ; 14884; 2;	28 | -6.38210431 0 | -6.38210377 0	5.0 -8 | 2.2 -9| 1.1-10| 3.9 -8	10	7.44 3| ∞ | 8.7 1
qs90o	16381 | ; 33124; 2;	30 | -6.42377450 0 | -6.42377361 0	5.7 -8 | 2.4 -9| 5.5-10| 6.5 -8	27	1.66 4| ∞ | 1.3 2
qs120o	29041 | ; 58564; 2;	31 | -6.45014648 0 | -6.45014399 0	1.3 -7 | 5.1 -9| 2.5-10| 1.8 -7	53	2.93 4| ∞ | 1.7 2
qs180o	65161 | ; 131044; 2;	34 | -6.48351741 0 | -6.48351169 0	2.0 -7 | 7.9 -9| 2.5-10| 4.1 -7	2:36	6.55 4| 1.33 11| 2.6 2
q30o	7482 | ; 11163; 2;	35 | -9.36404974-1 | -9.36405064-1	5.5 -9 | 5.2-10| 1.1 -8| 3.1 -8	29	7.44 3| ∞ | 7.8 1
q60o	29362 | ; 43923; 2;	44 | -9.44560086-10 | -2.85627290-6	2.6 -7 | 6.8 -9| 7.9 -9| 2.9 -6	3:25	2.93 4| ∞ | 1.3 2
dsNRL	406 | ; 15897; ;	35 | -5.57425079-5 | -5.57492923-5	3.3-12| 1.0-12| 6.8 -9| 6.8 -9	10:56	1.05 4| 2.10 4| 1.9 2
firL1Linfa	6224 | ; 35532; ;	30 | -2.56478569-3 | -2.56479294-3	1.8-11| 3.3-12| 7.2 -9| 7.2 -9	17:40	1.18 5| 2.38 4| 1.5 0
firL1Linfe	5685 | ; 11172; 1;	42 | -3.31229666-3 | -3.31231116-3	1.1-12| 3.6-12| 1.4 -8| 1.4 -8	48	1.53 4| 3.64 4| 5.7 0
firL1	6223 | ; 17766; ;	22 | -2.92575478-4 | -2.92580521-4	1.1-11| 1.6-12| 5.0 -9| 5.0 -9	7:44	2.41 4| 1.18 4| 4.7 -1
firL2a	2002 | ; 2003; ;	7 | -5.07008269-4 | -5.07012684-4	7.4-14| 9.5-10| 5.9 -9| 4.4 -9	3:00	2.00 0| 2.00 0| 1.4 0
firL2L1alp	5868 | ; 9611; 1;	15 | -5.76343274-5 | -5.76374679-5	7.1-12| 3.9-12| 3.1 -9| 3.1 -9	23	1.19 4| 3.85 3| 1.8 0
firL2L1eps	8303 | ; 24108; ;	23 | -5.35470923-4 | -5.35471575-4	2.3-13| 1.0-12| 6.5-10| 6.5-10	19:06	3.90 4| 1.58 4| 3.1 -1
firL2Linfa	303 | ; 13629; ;	27 | -6.79117295-3 | -6.79117919-3	5.2-12| 1.2-12| 6.2 -9| 6.2 -9	4:05	1.78 4| 8.93 3| 7.7 -1
firL2Linfe	6086 | ; 14711; ;	17 | -1.48919871-3 | -1.48920537-3	9.4-11| 5.2-12| 7.0 -9| 6.6 -9	1:53	5.89 3| 5.83 5| 1.1 2
firL2	102 | ; 103; ;	7 | -3.11866437-3 | -3.11866351-3	4.7-14| 8.8-10| 4.7-10| 8.6-10	00	2.00 0| 2.00 0| 1.4 0
firLinf	402 | ; 11886; ;	23 | -1.00681681-2 | -1.00681770-2	8.6-10| 3.8-11| 8.7 -9| 8.7 -9	5:20	7.92 3| 7.96 3| 8.1 -1
wbNRL	460 | ; 1578; 17177;	30 | -4.15006324-5 | -4.15040502-5	1.9-11| 1.0-12| 3.4 -9| 3.4 -9	14:14	1.72 4| 6.51 5| 7.3 0
BeH-2Sigma	948 | 1406; ; ;	30 | 1.66935640 1 | 1.66935639 1	1.4-12| 1.0-12| 3.6 -9| 3.6 -9	3:29	1.43 3| 1.34 10| 2.4 1
BH-1Sigma+	948 | 1406; ; ;	30 | 2.72063377 1 | 2.72063375 1	7.0-12| 1.2-12| 4.0 -9| 3.9 -9	3:28	1.44 3| 3.71 10| 2.5 1
BH2-2A1-ST	1743 | 2166; ; ;	30 | 3.04301167 1 | 3.04301166 1	3.7-10| 1.6-11| 1.0 -9| 9.1-10	15:16	2.20 3| 4.79 9| 2.1 2
BH+-2Sigma	948 | 1406; ; ;	29 | 2.69796660 1 | 2.69796657 1	1.6-12| 1.0-12| 4.7 -9| 4.7 -9	3:23	1.44 3| 1.34 10| 2.4 1
CH+-1Sigma	948 | 1406; ; ;	29 | 4.06927879 1 | 4.06927873 1	2.4-12| 1.0-12| 7.9 -9| 7.9 -9	3:22	1.45 3| 3.71 10| 2.6 1
CH2-1A1-ST	1743 | 2166; ; ;	28 | 4.48537630 1 | 4.48537625 1	4.6-10| 1.3-10| 5.8 -9| 5.2 -9	14:17	2.21 3| 4.95 9| 6.2 1

Table 1: Performance of `sdpt3.m`. In the table, err = [`pinfeas`,`dinfeas`,`relgap`,`relgap2`], where `relgap2` is the same as `relgap` but with the numerator replaced by $|\langle c,\, x\rangle - b^T y|$, and `normXZ` $= \max\{\|x^*\|, \|z^*\|\}$. We declare that g_P (g_D) is ∞ if the computed number is larger than 10^{12}.

problem	m | $n_s; n_q; n_l; n_u$	it. | primal obj | dual obj	err	time	g_P | g_D | `normXZ`
CH2-3B1-ST	1743 | 2166; ; ;	29 | 4.50291329 1 | 4.50291327 1	2.8-10| 3.8-11| 1.7 -9| 1.5 -9	14:45	2.22 3| 4.73 9| 1.3 2
CH-2Pi-STO	948 | 1406; ; ;	28 | 4.10222178 1 | 4.10222176 1	2.6-11| 4.4-12| 2.3 -9| 2.2 -9	3:18	1.45 3| 1.59 10| 4.4 1
CH–3Sigma	948 | 1406; ; ;	28 | 4.09070913 1 | 4.09070909 1	8.4-12| 1.5-12| 5.5 -9| 5.5 -9	3:16	1.45 3| 1.66 10| 3.2 1
H2O-1A1-ST	1743 | 2166; ; ;	28 | 8.49236907 1 | 8.49236900 1	3.7-12| 2.0-12| 3.9 -9| 3.9 -9	14:15	2.24 3| 6.09 9| 4.4 1
H2O+-2B1-S	1743 | 2166; ; ;	29 | 8.42163764 1 | 8.42163759 1	4.6-11| 1.1-11| 2.8 -9| 2.8 -9	14:47	2.24 3| 5.49 9| 6.7 1
HF-1Sigma+	948 | 1406; ; ;	27 | 1.04720454 2 | 1.04720452 2	2.5-12| 1.0-12| 8.7 -9| 8.7 -9	3:08	1.49 3| 1.74 9| 3.7 1
HF+-2Pi-ST	948 | 1406; ; ;	26 | 1.03885668 2 | 1.03885666 2	3.2-11| 1.0-12| 9.4 -9| 9.5 -9	3:01	1.49 3| 1.75 10| 3.2 1
LiH-1Sigma	948 | 1406; ; ;	29 | 8.96721198 0 | 8.96721180 0	9.1-12| 2.5-12| 9.2 -9| 9.2 -9	3:23	1.43 3| 3.71 10| 2.2 1
NH2-2B1-ST	1743 | 2166; ; ;	29 | 6.29798018 1 | 6.29798015 1	7.5-11| 1.7-11| 2.7 -9| 2.7 -9	14:49	2.23 3| 5.49 9| 6.8 1
NH+-2Pi-ST	948 | 1406; ; ;	28 | 5.78593622 1 | 5.78593619 1	7.1-12| 5.0-12| 2.4 -9| 2.4 -9	3:16	1.46 3| 1.59 10| 4.0 1
NH–2Pi-ST	948 | 1406; ; ;	28 | 5.80546396 1 | 5.80546388 1	9.7-11| 1.0-12| 6.9 -9| 6.9 -9	3:15	1.46 3| 1.75 10| 3.2 1
NH-3Sigma-	948 | 1406; ; ;	27 | 5.83910025 1 | 5.83910016 1	3.4-11| 1.6-12| 7.7 -9| 7.7 -9	3:08	1.46 3| 1.66 10| 3.2 1
OH–1Sigma	948 | 1406; ; ;	29 | 7.91680602 1 | 7.91680586 1	1.5-12| 1.5-12| 1.0 -8| 1.0 -8	3:23	1.48 3| 1.74 9| 3.7 1
OH-2Pi-STO	948 | 1406; ; ;	27 | 7.94670771 1 | 7.94670763 1	2.3-12| 1.0-12| 5.4 -9| 5.4 -9	3:10	1.48 3| 1.75 10| 3.2 1
OH+-3Sigma	948 | 1406; ; ;	27 | 7.88863798 1 | 7.88863789 1	1.8-11| 1.5-12| 5.6 -9| 5.6 -9	3:09	1.48 3| 1.66 10| 3.2 1
Li.2S.STO6	465 | 780; ; ; 35	35 | 7.40023852 0 | 7.40023828 0	4.1 -9| 5.4-10| 2.4 -8| 1.5 -8	46	7.86 2| ∞ | 1.6 1
Be.1S.STO6	465 | 780; ; ; 35	38 | 1.45560898 1 | 1.45560885 1	4.7 -8| 7.9-10| 4.1 -8| 4.1 -8	53	7.87 2| ∞ | 2.4 1
BeH+.1Sigm	948 | 1312; ; ; 47	40 | 1.64575096 1 | 1.64575071 1	8.3 -8| 8.4-10| 1.0 -7| 7.4 -8	4:17	1.32 3| ∞ | 5.8 1
H3.2A1.DZ.	948 | 1312; ; ; 47	38 | 3.36465433 0 | 3.36464799 0	5.2 -8| 5.1 -9| 1.6 -6| 8.2 -7	3:59	1.32 3| ∞ | 4.9 1
FH2+.1A1.S	1743 | 2044; ; ; 61	42 | 1.09990409 2 | 1.09990401 2	3.1 -8| 3.5-10| 5.1 -8| 3.4 -8	20:37	2.06 3| ∞ | 1.7 2
NH2-.1A1.S	1743 | 2044; ; ; 61	41 | 6.27062174 1 | 6.27062139 1	2.7 -8| 2.9-10| 5.0 -8| 2.7 -8	20:15	2.06 3| ∞ | 1.2 2
quadknap-1	5984 | 189; ; 5814;	45 | 1.20467277 3 | 1.20467277 3	1.6 -8| 1.2-13| 2.1-10| 1.6-10	9:21	1.61 4| ∞ | 2.1 4
quadknap-1	5984 | 189; ; 5814;	35 | 4.92735912 3 | 4.92736806 3	8.9 -7| 4.8 -8| 3.5 -6| 9.1 -7	7:26	1.59 4| ∞ | 1.9 4
quadknap-1	5984 | 189; ; 5814;	37 | 4.84881498 3 | 4.84882347 3	9.5 -7| 3.8 -8| 2.5 -6| 8.8 -7	11:18	1.61 4| ∞ | 2.1 4
quadknap-1	5984 | 189; ; 5814;	44 | 7.88501507 2 | 7.88501506 2	7.7 -8| 1.9-13| 5.7-10| 3.1-10	12:07	1.70 4| ∞ | 3.2 4
quadknap-1	5984 | 189; ; 5814;	39 | 5.37514786 3 | 5.37515599 3	7.9 -7| 3.8 -8| 1.6 -6| 7.6 -7	11:56	1.70 4| ∞ | 1.9 4
quadknap-1	5984 | 189; ; 5814;	39 | 2.40839711 3 | 2.40839758 3	2.5 -7| 1.3 -8| 3.3 -7| 9.8 -8	8:13	1.51 4| ∞ | 7.9 3
quadknap-1	5984 | 189; ; 5814;	39 | 8.04800002 3 | 8.04800000 3	5.4 -8| 1.2-11| 4.3-10| 9.6-10	8:17	1.87 4| ∞ | 1.1 4
quadknap-1	5984 | 189; ; 5814;	38 | 5.85100008 3 | 5.85100000 3	2.9 -8| 5.8-11| 7.7-10| 6.5 -9	8:02	1.58 4| ∞ | 9.3 3
quadknap-1	5984 | 189; ; 5814;	37 | 5.13259190 3 | 5.13259584 3	2.0 -7| 6.2 -8| 3.7 -7| 3.8 -7	7:46	1.63 4| ∞ | 2.1 4
quadknap-1	5984 | 189; ; 5814;	40 | 6.77500003 3 | 6.77500000 3	1.5 -6| 3.6-11| 9.6-10| 1.8 -9	8:22	1.94 4| ∞ | 1.8 4
stable-17-	5984 | 477; ; 342;	29 | -1.42857143-1 | -1.42857142-1	3.6-10| 6.2-10| 1.3 -9| 3.2-10	6:20	∞ | ∞ | 6.9 1
stable-17-	5984 | 477; ; 342;	30 | -1.98434223-1 | -1.98434223-1	7.5-11| 1.9-11| 3.4-10| 7.7-11	6:33	∞ | ∞ | 1.1 2
stable-17-	5984 | 477; ; 342;	28 | -1.66666666-1 | -1.66666666-1	2.6-10| 7.2-10| 1.2 -9| 6.5-10	6:13	∞ | ∞ | 6.8 1
stable-17-	5984 | 477; ; 342;	36 | -1.66131915-1 | -1.66131921-1	4.2 -9| 2.8-11| 9.9 -9| 3.9 -9	7:48	∞ | ∞ | 1.6 2
stable-17-	5984 | 477; ; 342;	34 | -1.95961595-1 | -1.95961595-1	7.6-10| 4.7-12| 6.1-10| 1.2-12	7:15	∞ | ∞ | 1.6 2
stable-17-	5984 | 477; ; 342;	36 | -1.95658388-1 | -1.95658390-1	7.8-10| 1.9-11| 3.8 -9| 1.4 -9	7:36	∞ | ∞ | 1.8 2
stable-17-	5984 | 477; ; 342;	39 | -1.66561011-1 | -1.66561013-1	2.8 -8| 6.6-13| 5.1-10| 1.3 -9	9:03	∞ | ∞ | 1.7 2
stable-17-	5984 | 477; ; 342;	28 | -1.66666667-1 | -1.66666666-1	1.2-10| 3.9-10| 5.3-10| 4.0-10	6:04	∞ | ∞ | 6.6 1
stable-17-	5984 | 477; ; 342;	32 | -1.66138271-1 | -1.66138271-1	9.8-11| 1.6-11| 6.8-10| 2.5-10	7:01	∞ | ∞ | 1.4 2
stable-17-	5984 | 477; ; 342;	29 | -1.66138270-1 | -1.66138270-1	6.6-10| 8.8-10| 4.9 -9| 3.5-10	6:05	∞ | ∞ | 9.9 1
MaxCut-100	6252 | 1850; ; 4188;	35 | 1.46072620 2 | 1.46067965 2	1.2 -5| 2.9 -6| 8.7 -5| 1.6 -5	50	9.59 3| ∞ | 1.7 3
MaxCut-100	6252 | 1850; ; 4188;	35 | 1.46072620 2 | 1.46067965 2	1.2 -5| 2.9 -6| 8.7 -5| 1.6 -5	50	9.59 3| ∞ | 1.7 3
MaxCut-100	7767 | 2134; ; 4590;	44 | 1.48043435 2 | 1.48043439 2	5.8 -6| 3.9-10| 3.7 -9| 1.2 -8	3:00	1.09 4| ∞ | 1.1 3
MaxCut-100	5679 | 1775; ; 3876;	36 | 1.47065095 2 | 1.47063793 2	1.4 -5| 2.8 -6| 3.4 -5| 4.4 -6	42	9.03 3| ∞ | 1.7 3
MaxCut-100	6717 | 1877; ; 4476;	36 | 1.34059930 2 | 1.34057081 2	2.1 -5| 3.0 -6| 7.9 -5| 1.1 -5	1:46	9.95 3| ∞ | 2.2 3
MaxCut-100	6059 | 1759; ; 4044;	34 | 1.47028456 2 | 1.47028478 2	4.1 -6| 9.3 -7| 5.3 -6| 7.5 -8	1:21	9.19 3| ∞ | 6.7 2
MaxCut-100	7221 | 2103; ; 4900;	35 | 1.48038276 2 | 1.48036086 2	2.0 -5| 4.3 -6| 7.2 -5| 7.4 -6	1:59	1.10 4| ∞ | 2.8 3
MaxCut-100	7375 | 2121; ; 4400;	35 | 1.47051236 2 | 1.47051241 2	1.7 -6| 3.2 -7| 2.1 -6| 1.6 -8	1:22	1.06 4| ∞ | 7.4 2
MaxCut-100	6495 | 1937; ; 4328;	35 | 1.34096796 2 | 1.34094792 2	1.3 -5| 1.9 -6| 4.6 -5| 7.4 -6	1:37	9.95 3| ∞ | 1.9 3
MaxCut-100	7228 | 1923; ; 4816;	35 | 1.45015592 2 | 1.45011927 2	2.3 -5| 3.4 -6| 8.8 -5| 1.3 -5	2:04	1.05 4| ∞ | 2.3 3
Bex2-1-1.g	251 | 252; ; 182;	22 | 3.40000004-1 | 3.39999990-1	5.1-10| 1.9-11| 9.6 -9| 8.5 -9	02	6.21 2| 9.14 4| 3.3 1
Bex2-1-2.g	65 | 80; ; 52;	17 | 1.06500000 0 | 1.06500000 0	4.9-13| 1.0-12| 5.9-10| 5.8-10	00	1.75 2| 3.34 3| 1.0 1
Bex2-1-3.g	134 | 193; ; 113;	18 | 1.87500000 0 | 1.87500000 0	4.0-13| 1.0-12| 4.9-10| 4.8-10	01	4.44 2| 7.70 4| 2.8 1
Bex2-1-4.g	83 | 126; ; 61;	17 | 1.37500001 0 | 1.37499998 0	1.6-12| 1.0-12| 7.8 -9| 7.8 -9	00	2.59 2| 7.77 3| 1.5 1
Bex2-1-5.g	285 | 352; ; 295;	21 | 2.97794036 0 | 2.97794034 0	1.1 -9| 1.2-11| 3.2 -9| 3.1 -9	02	9.80 2| 5.30 5| 7.6 1
Bex2-1-8.g	1789 | 798; ; 2655; 596	37 | -7.85090352-1 | -7.85090364-1	5.4-10| 1.3 -9| 9.0 -9| 4.7 -9	25	5.10 3| ∞ | 3.9 1
Bex3-1-1.g	310 | 300; ; 604;	24 | -1.17487427 0 | -1.17487491 0	2.9 -7| 9.7-12| 2.5 -7| 1.9 -7	02	1.09 3| 2.13 10| 4.3 3
Bex3-1-2.g	111 | 110; ; 212;	19 | -9.33357008-1 | -9.33357019-1	1.5-10| 8.1-12| 4.3 -9| 3.9 -9	01	3.60 2| 4.54 5| 5.8 1
Bex3-1-4.g	164 | 215; ; 73;	21 | 1.00009958 0 | 1.00010521 0	1.2 -5| 3.9-10| 2.6 -6| 1.9 -6	03	4.52 2| 1.42 6| 2.2 3
Bex5-2-2-c	300 | 212; ; 359; 220	40 | 8.33333333-2 | 8.33333333-2	1.1 -8| 4.1-15| 5.0-13| 1.5-13	02	1.15 3| ∞ | 2.3 2
Bex5-2-2-c	300 | 212; ; 359; 220	36 | 7.50000087-2 | 7.50000039-2	2.1 -9| 1.4-10| 3.8 -9| 4.3 -9	02	1.15 3| ∞ | 2.5 2

Table 1: Performance of `sdpt3.m`. In the table, err = [`pinfeas`,`dinfeas`,`relgap`,`relgap2`], where `relgap2` is the same as `relgap` but with the numerator replaced by $|\langle c,\, x\rangle - b^T y|$, and `normXZ` $= \max\{\|x^*\|, \|z^*\|\}$. We declare that g_P (g_D) is ∞ if the computed number is larger than 10^{12}.

problem	m | n_s; n_q; n_l; n_u	it. | primal obj | dual obj	err	time	g_P | g_D | `normXZ`
Bex5-2-2-c	300 | 212; ; 359; 220	27 | 1.92307719-1 | 1.92307733-1	9.6 -9| 5.0 -9| 2.0 -9| 1.0 -8	02	1.15 3| ∞ | 6.7 1
Bex5-3-2.g	1131 | 495; ; 1637; 530	46 | -1.30519579-1 | -1.30523903-1	2.3 -5| 6.0 -8| 2.0 -5| 3.4 -6	06	3.60 3| ∞ | 5.8 3
Bex5-4-2.g	310 | 300; ; 604;	28 | -7.51223010-1 | -7.51223017-1	4.2 -8| 6.2-14| 2.9 -9| 2.7 -9	02	1.09 3| 2.02 8| 4.2 3
Bex9-1-1.g	489 | 368; ; 548; 699	29 | 2.16666669-1 | 2.16666667-1	1.0 -9| 8.9 -9| 3.7 -9| 1.0 -9	04	2.53 3| ∞ | 1.7 1
Bex9-1-2.g	241 | 223; ; 227; 310	28 | 1.06666667 0 | 1.06666667 0	2.7 -9| 1.6-10| 5.1-11| 2.3 -9	01	1.20 3| 1.59 10| 1.5 1
Bex9-1-4.g	241 | 223; ; 227; 310	24 | 6.60872427-1 | 6.60872425-1	6.5-10| 2.6 -9| 4.4-10| 6.6-10	02	1.20 3| ∞ | 2.2 1
Bex9-1-5.g	489 | 368; ; 548; 700	28 | 2.01411716-2 | 2.01411716-2	3.6-11| 2.6-10| 4.4-11| 3.2-11	04	2.52 3| ∞ | 1.8 1
Bex9-1-8.g	402 | 330; ; 434; 522	29 | 6.50000034-1 | 6.50000005-1	1.3 -8| 1.9 -8| 6.5 -9| 1.2 -8	03	2.01 3| 4.42 10| 1.7 1
Bex9-2-1.g	241 | 223; ; 227; 310	25 | 4.59183756-2 | 4.59183697-2	4.4 -9| 5.8 -9| 1.9 -9| 5.4 -9	02	1.18 3| ∞ | 1.3 1
Bex9-2-2.g	137 | 156; ; 109; 168	42 | 2.87494906-6 | 2.25999495-6	1.7 -6| 1.1 -8| 1.4 -6| 6.1 -7	02	6.86 2| 1.08 11| 5.1 2
Bex9-2-3.g	866 | 549; ; 1408; 1176	35 | -1.19999994 0 | -1.20000000 0	1.4-10| 5.8-10| 1.7 -9| 1.7 -8	11	6.15 3| 3.31 10| 4.4 2
Bex9-2-4.g	146 | 149; ; 276; 215	26 | 1.75001038-4 | 1.75000009-4	2.9-10| 6.5-10| 2.6 -9| 1.0 -9	02	9.09 2| ∞ | 1.4 1
Bex9-2-5.g	137 | 147; ; 109; 168	24 | 8.00000007-2 | 8.00000001-2	5.1-10| 1.8-10| 2.1-11| 5.7-10	01	6.66 2| ∞ | 8.9 0
Bex9-2-6.g	402 | 317; ; 434; 522	28 | 2.42789755-5 | 2.42661365-5	6.9 -9| 1.5 -9| 1.9 -9| 1.3 -8	03	1.96 3| ∞ | 1.8 1
Bex9-2-7.g	241 | 223; ; 227; 310	26 | 4.59183796-2 | 4.59183677-2	7.6 -9| 2.5 -9| 1.3 -9| 1.1 -8	01	1.18 3| 1.57 10| 1.3 1
Bex9-2-8.g	19 | 28; ; 8; 50	16 | 1.70246919-11 | 3.26220519-10	2.9-12| 6.3 -9| 1.2-10| 3.1-10	00	1.46 2| ∞ | 2.8 0
Balkyl.gms	834 | 572; ; 1640; 310	32 | 5.89807109-2 | 5.89807733-2	2.7 -9| 4.3-10| 4.4 -9| 5.6 -8	05	3.09 3| 7.12 10| 4.9 1
Bst-bpaf1a	195 | 245; ; 205;	31 | 1.13449275-1 | 1.13449275-1	1.2-10| 1.1-14| 3.9-10| 3.4-10	02	6.07 2| 3.64 8| 2.2 3
Bst-bpaf1b	195 | 245; ; 205;	28 | 1.07406396-1 | 1.07406388-1	2.7-10| 1.3-13| 7.4 -9| 6.5 -9	01	6.08 2| 3.64 8| 4.1 3
Bst-e05.gm	40 | 44; ; 70; 22	23 | -1.94462048-1 | -1.94462044-1	8.7-10| 7.0-10| 2.4-10| 3.4 -9	00	1.77 2| ∞ | 2.1 1
Bst-e07.gm	178 | 161; ; 189; 82	25 | 3.76913266-1 | 3.76913266-1	1.6-10| 2.7 -9| 5.4-10| 1.8-10	01	6.45 2| ∞ | 1.2 1
Bst-jcbpaf	285 | 374; ; 295;	25 | 7.94855924-2 | 7.94855883-2	1.1-11| 2.0-12| 3.6 -9| 3.5 -9	02	8.76 2| 6.54 5| 1.7 1
Bhaverly.g	274 | 206; ; 331; 154	46 | 8.00000000-2 | 8.00000000-2	2.4 -7| 1.6-14| 5.5-12| 1.6-13	02	9.82 2| ∞ | 6.0 2
alkylation	530 | 457; ; 1040; 155	44 | 1.18826559-2 | 1.18824854-2	3.1 -7| 7.0-11| 6.7 -9| 1.7 -7	06	2.00 3| 5.95 10| 2.8 2
Bst-bpk1.g	34 | 55; ; 30;	14 | 1.30000000 1 | 1.30000000 1	7.5-13| 1.0-12| 1.6 -9| 1.6 -9	00	7.01 2| 3.28 2| 1.6 2
Bst-bpk2.g	34 | 55; ; 30;	14 | 1.30000000 1 | 1.30000000 1	7.5-13| 1.0-12| 1.6 -9| 1.6 -9	00	7.01 2| 3.28 2| 1.6 2
Bst-bpv1.g	29 | 56; ; 17;	13 | -3.70370361-2 | -3.70370407-2	4.6-10| 1.7-12| 6.7 -9| 4.3 -9	00	1.01 2| ∞ | 5.7 2
Bst-bpv2.g	25 | 52; ; 14;	14 | 4.00000003-1 | 3.99999993-1	1.1-13| 1.0-12| 5.7 -9| 5.7 -9	00	8.66 1| 2.28 3| 5.9 0
Bst-e42.gm	104 | 78; ; 103; 56	33 | -1.87841999 1 | -1.87842000 1	1.3 -8| 1.8 -9| 5.4 -9| 2.3 -9	01	∞ | ∞ | 9.8 3
Bst-robot.	494 | 189; ; 972; 360	23 | 2.25821389-4 | 2.25821334-4	1.3-12| 6.5-10| 8.1-11| 5.4-11	02	1.98 3| 1.63 11| 4.3 1
Bprolog.gm	833 | 533; ; 1023;	91 | 5.22890377-4 | -2.14756935-6	9.8-13| 1.6 -7| 6.7 -4| 5.2 -4	14	∞ | 3.95 5| 3.3 10
st-cqpjk2.	19 | 32; ; 8;	13 | 8.33333343-1 | 8.33333317-1	1.2-11| 1.0-12| 9.9 -9| 9.9 -9	00	5.61 1| 5.32 2| 4.9 0
st-e01.gms	12 | 19; ; 8;	18 | 1.11111113 0 | 1.11111112 0	4.9-13| 1.0-12| 4.0 -9| 4.0 -9	00	3.50 1| 6.33 2| 3.9 0
st-e09.gms	25 | 38; ; 12;	14 | 2.50000000-1 | 2.50000000-1	1.8-11| 1.0-12| 3.9-10| 3.5-10	00	6.76 1| 2.30 4| 2.6 1
st-e10.gms	10 | 16; ; 3; 1	17 | 6.97453884-1 | 6.97453928-1	2.0 -9| 5.7 -9| 4.7-10| 1.8 -8	00	2.94 1| ∞ | 7.8 0
st-e20.gms	111 | 84; ; 210; 72	23 | 2.67968679-1 | 2.67968687-1	1.6 -9| 2.9 -9| 6.9-10| 4.9 -9	01	4.84 2| ∞ | 1.1 1
st-e23.gms	9 | 21; ; 3;	14 | 4.33333353-2 | 4.33333298-2	2.5-11| 1.5-12| 5.1 -9| 5.1 -9	00	2.87 1| 2.90 4| 1.0 1
st-e34.gms	164 | 125; ; 187;	20 | -3.62873428-3 | -3.62873545-3	2.6-14| 1.0-12| 1.2 -9| 1.2 -9	01	4.43 2| 4.57 3| 9.3 0
st-e42.gms	104 | 78; ; 103; 56	33 | -1.87841999 1 | -1.87842000 1	1.3 -8| 1.8 -9| 5.4 -9| 2.3 -9	02	∞ | ∞ | 9.8 3
st-fp5.gms	285 | 352; ; 295;	21 | 2.97794036 0 | 2.97794034 0	1.1 -9| 1.2-11| 3.2 -9| 3.1 -9	02	9.80 2| 5.30 5| 7.6 1
st-glmp-fp	34 | 55; ; 14; 30	19 | -9.99999994 0 | -9.99999992 0	1.7 -9| 5.5 -9| 6.6-10| 9.9-10	00	6.94 2| ∞ | 2.1 2
st-glmp-fp	125 | 180; ; 36; 140	29 | -7.34454541 0 | -7.34454542 0	1.0-10| 3.7-10| 4.2-10| 3.8-10	02	1.66 4| ∞ | 4.7 3
st-glmp-fp	34 | 55; ; 14; 30	20 | 1.20000000 1 | 1.20000000 1	1.4 -9| 3.2-10| 1.4-11| 1.6-10	00	1.09 3| ∞ | 9.5 1
st-glmp-kk	40 | 44; ; 14; 36	20 | -3.00000000 0 | -2.99999999 0	4.9-10| 7.4-10| 2.7-11| 1.4 -9	01	6.17 2| ∞ | 5.5 1
st-glmp-kk	34 | 55; ; 14; 30	20 | 1.20000000 1 | 1.20000000 1	2.3 -9| 2.2 -9| 1.7-10| 6.4-10	00	7.31 2| ∞ | 1.7 2
st-glmp-kk	69 | 62; ; 14; 70	29 | 2.50000003 0 | 2.50000005 0	2.4 -9| 1.8-10| 4.6 -9| 2.6 -9	01	8.30 3| ∞ | 6.2 2
st-glmp-ss	40 | 64; ; 14; 36	21 | 2.45714286 1 | 2.45714286 1	1.6 -9| 7.2-10| 7.0-11| 1.0-10	00	4.06 3| ∞ | 3.9 2
st-glmp-ss	40 | 49; ; 14; 36	20 | -2.99999996 0 | -2.99999996 0	5.8 -9| 1.9 -9| 1.7-10| 2.6-10	00	1.28 3| ∞ | 6.5 1
st-iqpbk1.	164 | 216; ; 312;	19 | 4.15321990 0 | 4.15321989 0	4.5-13| 1.0-12| 6.2-10| 6.1-10	01	6.94 2| 1.76 4| 5.4 1
st-iqpbk2.	164 | 216; ; 312;	19 | 3.99367031 0 | 3.99367031 0	3.4-13| 1.0-12| 7.3-10| 7.3-10	01	6.94 2| 1.76 4| 5.4 1
st-jcbpaf2	285 | 374; ; 295;	25 | 7.94855924-2 | 7.94855883-2	1.1-11| 2.0-12| 3.6 -9| 3.5 -9	02	8.76 2| 6.54 5| 1.7 1
st-jcbpafe	9 | 21; ; 3;	14 | 4.33333353-2 | 4.33333298-2	2.5-11| 1.5-12| 5.1 -9| 5.1 -9	00	2.87 1| 2.90 4| 1.0 1
qp5.gms	108 | ; ; 109; 30	23 | -4.31455897-1 | -4.31455880-1	1.5 -9| 9.2-10| 6.3-10| 9.5 -9	00	1.77 2| ∞ | 4.0 1
Rosenbrock	1988 | 1195; ; 3;	18 | 9.95000004-1 | 9.94999999-1	1.4-10| 1.4-12| 5.8-10| 1.8 -9	01	1.28 5| 2.35 3| 8.5 1
BroydenBan	923 | 84; ; ;	17 | 2.40000000-1 | 2.39999999-1	7.4-12| 1.0-12| 4.9-10| 4.9-10	06	5.16 2| 1.54 2| 5.7 0
BroydenTri	3974 | 1984; ; 3;	16 | 1.11111111 1 | 1.11111111 1	4.3-12| 3.3-12| 4.8-10| 4.8-10	03	1.75 4| 3.34 3| 6.1 1
ChainedSin	3974 | 1980; ; ;	24 | 2.88480646-10 | -2.56585137-9	4.5-14| 1.0-12| 2.9 -9| 2.9 -9	03	2.92 7| 2.77 3| 1.4 1
ChainedWoo	899 | 697; ; ;	11 | 1.09421053 1 | 1.09421052 1	3.5-12| 1.0-12| 6.4 -9| 6.4 -9	00	4.43 5| 9.79 2| 5.0 1
nondquar(2	3974 | 1980; ; ;	24 | 2.34095452-6 | -1.86415946-6	2.5 -9| 2.2-10| 8.1 -6| 4.2 -6	04	∞ | 2.77 3| 1.1 5
nonscomp(8	110 | 138; ; 204;	23 | 1.56250002-2 | 1.56249998-2	1.4 -9| 7.6-12| 7.5-10| 3.9-10	01	4.47 2| 5.12 3| 1.6 1
optControl	2682 | 533; ; ; 682	25 | 3.30330643-1 | 3.30330643-1	5.3-11| 3.1-10| 4.2-10| 7.5-11	32	3.95 3| ∞ | 7.8 0
optControl	4759 | 1587; ; ; 1986	36 | -3.06689479 2 | -3.06689479 2	1.1 -7| 2.2-10| 8.8-11| 1.3-10	06	∞ | ∞ | 4.9 3

Table 1: Performance of `sdpt3.m`. In the table, err = [`pinfeas,dinfeas,relgap,relgap2`], where `relgap2` is the same as `relgap` but with the numerator replaced by $|\langle c,\, x\rangle - b^T y|$, and `normXZ` $= \max\{\|x^*\|, \|z^*\|\}$. We declare that g_P (g_D) is ∞ if the computed number is larger than 10^{12}.

problem	m | $n_s; n_q; n_l; n_u$	it. | primal obj | dual obj	err	time	g_P | g_D | `normXZ`
randomUnco	264 | 130; ; ;	17 | 6.33323683-4 | 6.33323351-4	2.7-14| 1.0-12| 3.4-10| 3.3-10	01	2.14 2| 1.88 2| 4.2 0
randomCons	650 | 298; ; ;	17 | 3.94559182 0 | 3.94559180 0	2.2-12| 1.0-12| 2.1 -9| 2.1 -9	01	4.27 2| 9.57 3| 2.7 1
randomwith	430 | 130; ; ; 395	22 | 3.13274316-4 | 3.13274418-4	7.5-13| 3.8-10| 1.6-11| 1.0-10	01	9.99 2| ∞ | 4.2 0