

file: langer.minMonUnits4
leaf collision constraints active

intensity map source	angle	size of matrix	min # of shapes (1st run)	min # of segments	solve time run 1 (sec)	solve time run 2 (sec)	beam on time	branch&bound nodes	Gap (%)
head&neck level5	55	9x8	7	7	31	2241	140	19060	33.33
head&neck level5	55	9x8	7	7	31	8203	140	74721	16.67
head&neck level5	165	9x7	8	7	75	428	160	4554	0
head&neck level5	245	9x8	7	6	52	371	140	6763	0
head&neck level5	290	9x7	9	7	20	164	180	1850	50
head&neck level5	290	9x7	9	7	20	6970	180	136529	16.67
head&neck level5	350	9x8	9	8	27	848	180	1820	57.14
head&neck level5	350	9x8	9	8	27	11481	180	64592	25
head&neck level10	55	9x8	14	inf	346	-	140	-	-
head&neck level10	165	9x7	12	12	353	6275	120	17875	0
head&neck level10	245	9x8	16	11	152	15301	160	18270	63.75
head&neck level10	245	9x8	16	11	152	25032	160	62287	58.33
head&neck level10	290	9x7	16	11	153	8527	160	18270	63.75
head&neck level10	290	9x7	16	11	153	47546	160	127141	52.22
head&neck level10	350	9x8	17	14	334	4631	170	4700	76.92
pancreas level 5	0	10x11	10	-	407	42946	200	18379	-
pancreas level 5	51	10x11	8	8	1871	2954	160	2077	0
pancreas level 5	103	10x9	7	7	131	203	140	158	0
pancreas level 5	154	10x11	9	9	369	25476	180	5970	37.5
pancreas level 5	206	10x11	12	-	122	37148	240	4500	-
pancreas level 5	257	10x11	7	7	462	870	140	5392	0
pancreas level 5	308	10x10	6	6	583	120	120	134	0
pancreas level 10	0	10x11	17	inf	14251	15090	170	-	-
pancreas level 10	51	10x11	inf	-	29233	-	-	-	-
pancreas level 10	103	10x9	16	inf	3244	4479	160	-	-
pancreas level 10	154	10x11	16	inf	1146	6446	160	-	-
pancreas level 10	206	10x11	20	inf	1005	5880	200	-	-
pancreas level 10	257	10x11	13	12	2197	12005	130	4910	72.42
pancreas level 10	257	10x11	13	12	2197	45738	130	17806	54.55
pancreas level 10	308	10x10	13	12	843	1240	130	2898	74.35
pancreas level 10	308	10x10	13	12	843	47043	130	2716	74.35
prostate level 5	35	7x8	10	7	57	1089	200	6599	0
prostate level 5	80	7x6	8	7	14	168	160	2104	0
prostate level 5	135	8x8	7	6	87	544	140	11359	0
prostate level 5	225	8x7	8	6	68	331	160	5187	0
prostate level 5	280	7x6	6	5	45	44	120	840	0
prostate level 5	325	7x7	11	7	28	1303	220	10052	0
prostate level 10	35	7x8	17	13	187	3987	170	6139	79.17
prostate level 10	80	7x6	15	11	728	3092	150	2721	60
prostate level 10	135	8x8	19	13	265	11494	190	3120	66.67
prostate level 10	225	8x7	16	inf	713	3102	160	-	-
prostate level 10	280	7x6	20	13	55	2473	200	540	85.61
prostate level 10	325	7x7	17	11	248	2074	170	2410	56.05
prostate level2 5	35	7x8	9	7	9	284	180	4073	0
prostate level2 5	80	7x6	5	5	64	19	100	12	0
prostate level2 5	135	8x8	8	7	55	613	160	613	0
prostate level2 5	225	8x7	7	7	17	55	140	572	0
prostate level2 5	280	7x6	6	4	44	23	120	36	0
prostate level2 5	325	7x7	10	7	16	185	200	2570	0
prostate level2 10	35	7x8	17	12	58	6882	170	4239	77.33
prostate level2 10	80	7x6	14	9	139	4963	140	4680	58.06
prostate level2 10	135	8x8	18	14	81	930	180	159	92.42
prostate level2 10	225	8x7	13	9	115	513	130	2515	0
prostate level2 10	280	7x6	12	7	71	1202	120	8204	0
prostate level2 10	325	7x7	13	10	193	1253	130	4059	0

gap == 0 => all reported information is related to the total solve time
gap >0 => a gap of 0 was not reached within 12 hours;
for each angle: first angle results: all reported information is related to the instant the minimum number of segments was found
second angle results: information available when the run was killed
min # shapes: this column does include leaf collision constraints

