

**Umbrella - Minimal Depleting Module Extraction (Strong Sigma Entailment) - from Top-Bottom-Star Modules**

<b>Sigma</b>	<b>Nr of CNames in TBox</b>	<b>Nr of RNames in TBox</b>	<b>Nr of Axioms in TBox</b>	<b>Nr of Sigma CNames</b>	<b>Nr of Sigma RNames</b>	<b>Nr of Module CNames</b>	<b>Nr of Module RNames</b>	<b>Nr of Module Axioms</b>	<b>Nr of Axioms of Unknown Diff Status</b>	<b>Nr of Query Entailment Calls</b>	<b>CPU Time (s)</b>
sig0	24	17	311	5	5	22	17	241	0	8481	437.47
sig1	25	22	423	5	5	24	22	339	0	16998	1678.49
sig2	22	13	281	5	5	22	13	231	0	6189	235.46
sig3	23	22	430	5	5	23	22	350	0	20534	2134.47
sig4	24	19	363	5	5	22	19	285	0	17443	1351.44
sig7	25	21	419	5	5	24	21	335	0	27904	2674.18
sig8	27	26	574	5	5	26	26	474	0	20242	2355.27
sig9	22	16	320	5	5	22	16	260	0	7790	370.99
sig10	26	21	441	5	5	26	21	363	0	15607	1216.31
sig12	27	23	462	5	5	26	23	374	0	25252	3014.33
sig13	24	21	350	5	5	23	21	266	0	16765	1486.63
sig14	27	24	567	5	5	27	24	477	0	38884	5216.62
sig15	21	16	318	5	5	21	16	258	0	7934	368.62
sig16	28	21	418	5	5	28	21	338	0	13766	1097.29
sig17	24	20	369	5	5	24	20	291	0	13684	1111.55
sig18	26	20	394	5	5	24	20	314	0	11127	852.34
sig19	23	21	360	5	5	22	21	278	0	10694	833.54
sig20	25	22	384	5	5	24	22	298	0	10415	936.68
sig21	25	21	423	5	5	25	21	345	0	23824	2563.37
sig22	19	12	220	5	5	19	12	174	0	6985	235.13
<b>Average:</b>	<b>Average:</b>	<b>Average:</b>	<b>Average:</b>	<b>Average:</b>	<b>Average:</b>	<b>Average:</b>	<b>Average:</b>	<b>Average:</b>	<b>Average:</b>	<b>Average:</b>	<b>Average:</b>
24.35	19.9	391.35	23.7	19.9	314.55	0	16025.9	1508.51			
<b>Min:</b>	<b>Min:</b>	<b>Min:</b>	<b>Min:</b>	<b>Min:</b>	<b>Min:</b>	<b>Min:</b>	<b>Min:</b>	<b>Min:</b>	<b>Min:</b>	<b>Min:</b>	<b>Min:</b>
19	12	220	19	12	174	0	6189	235.13			
<b>Max:</b>	<b>Max:</b>	<b>Max:</b>	<b>Max:</b>	<b>Max:</b>	<b>Max:</b>	<b>Max:</b>	<b>Max:</b>	<b>Max:</b>	<b>Max:</b>	<b>Max:</b>	<b>Max:</b>
28	26	574	28	26	477	0	38884	5216.62			