Min el	No Nodes	$\alpha_{\min}$	ε_{abs}	$\varepsilon_{\mu,\text{rel}}$	μ_{angle}	$\varepsilon_{\mu,\text{rel}}$	σ
0.05	2,298,494	44.343	−0.004	0.01 %	44.068	0.63 %	0.301
0.06	1,598,880	44.332	−0.015	0.033 %	44.083	0.596 %	0.291
0.08	898,531	44.336	−0.01	0.023 %	44.173	0.393 %	0.335
0.1	576,719	44.354	0.007	0.015 %	44.416	0.157 %	0.301
0.2	144,067	44.264	−0.083	0.187 %	45.442	2.469 %	0.399
0.3	64,416	44.676	0.329	0.742 %	47.404	6.895 %	2.107
0.4	36,131	44.948	0.601	1.355 %	48.798	10.036 %	2.64
0.5	23,220	44.934	0.587	1.324 %	52.588	18.584 %	6.598
0.6	16,191	44.425	0.079	0.177 %	51.895	17.02 %	12.26
0.7	11,793	42.844	−1.503	3.389 %	57.981	30.743 %	8.913
0.8	9,051	38.57	−5.777	13.026 %	33.301	24.908 %	23.635

Table 1: St Andrews Cross validation: $\omega = 0.699$, $N = 1$, $\alpha = 44.347$, with a prescribed velocity of the cylinder of $A\sin(\omega t)$, with $A = r = 0.5$, r being the radius of the cylinder, and t being the time of the simulation. Shown are the minimum angle found as well as the averaged angle at all the positions the angle was computed. Note, the averaged values can be biased due to very large errors found at one distance.