

Min el	No Nodes	α_{\min}	ε_{abs}	$\varepsilon_{\mu,\text{rel}}$	μ_{angle}	$\varepsilon_{\mu,\text{rel}}$	σ
0.01	61,070	44.364	0.017	0.039 %	44.459	0.252 %	0.721
0.05	57,932	44.316	-0.031	0.069 %	44.277	0.158 %	0.627
0.1	43,934	44.342	-0.005	0.01 %	44.78	0.977 %	0.501
0.5	7,573	44.352	0.006	0.013 %	50.143	13.071 %	5.841

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.