Table 1: Results

Problem Size	Method	MDE	RMSD	Time	Improv time
pdb1ba5 320	Classic Quaternion	$9.359 \times 10^{-13} 1.070 \times 10^{-12}$	4.1376×10^{-12}	3.4364×10^{-4} 2.2934×10^{-4}	49.840
pdb1d1n 594	Classic Quaternion	$1.005 \times 10^{-11} 9.672 \times 10^{-12}$	1.2689×10^{-12}	$5.7182 \times 10^{-4} 3.9727 \times 10^{-4}$	43.939
pdb1dp3 332	Classic Quaternion	$7.704 \times 10^{-13} \\ 8.939 \times 10^{-13}$	1.4697×10^{-12}	$\begin{array}{c} 2.8786 \times 10^{-4} \\ 1.9376 \times 10^{-4} \end{array}$	48.569
pdb1du1 122	Classic Quaternion	$8.225 \times 10^{-13} \\ 1.258 \times 10^{-12}$	1.2376×10^{-12}	$\begin{array}{c} 9.8459 \times 10^{-5} \\ 6.6017 \times 10^{-5} \end{array}$	49.142
pdb1fcl 338	Classic Quaternion	$4.542 \times 10^{-12} 4.515 \times 10^{-12}$	8.0786×10^{-13}	4.3418×10^{-4} 2.8700×10^{-4}	51.284

log.txt

time_limit=3 seconds
function_of_central_tendency_meansure=median
precision=1.0e-5
precision_virtual=1.0e-8
benchmark_seconds=5
benchmark_samples_limit=100000
all_solutions=False
list_of_problems=["pdb1ba5", "pdb1d1n", "pdb1dp3", "pdb1du1", "pdb1fc1"]
start_time=2023-01-23T11:51:39.235
end_time=2023-01-23T11:52:31.941