

n_d	3	10	100	500	1000
Classic	2.53×10^{-4}	4.74×10^{-4}	1.71×10^{-3}	4.82×10^{-3}	5.34×10^{-3}
Quater.	1.23×10^{-4}	3.03×10^{-4}	1.53×10^{-3}	4.48×10^{-3}	4.98×10^{-3}
Improv	105.31%	56.23%	11.51%	7.55%	7.27%

Table 1: Improvement percentage in geometric means of **QuaternionBP** in relation to **ClassicBP** considering results of the benchmark.