

Scaled Particle features with $n = m = 5 \cdot 10^4$

μ -deformation				Σ_{ii} -deformation		
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)
t_{SW}	$0.01334^{+0.0038}_{-0.0046}$	$0.01815^{+0.0037}_{-0.0029}$	1116	$0.0166^{+0.0059}_{-0.0063}$	$0.02125^{+0.006}_{-0.0034}$	1079
$t_{\overline{KS}}$	$0.0^{+0.0045}_{-0}$	$0.00771^{+0.0022}_{-0.0049}$	58835	$0.0^{+0.013}_{-0}$	$0.01904^{+0.0086}_{-0.011}$	62555
t_{SKS}	$0.01275^{+0.0034}_{-0.0043}$	$0.01734^{+0.0036}_{-0.0028}$	18356	$0.02131^{+0.007}_{-0.0073}$	$0.02899^{+0.006}_{-0.0047}$	26542
t_{FGD}	$0.01627^{+0.003}_{-0.006}$	$0.02025^{+0.0024}_{-0.0047}$	39057	$0.01469^{+0.0034}_{-0.0057}$	$0.01805^{+0.0043}_{-0.0051}$	27175
t_{MMD}	$0.01613^{+0.0049}_{-0.0058}$	$0.02141^{+0.0032}_{-0.0035}$	22841	$0.01606^{+0.0074}_{-0.0066}$	$0.02089^{+0.0055}_{-0.0061}$	33730
$\Sigma_{i \neq j}$ -deformation				pow $_{+}$ -deformation		
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}^{pow_{+}}$	t (s)
t_{SW}	$0.01396^{+0.0041}_{-0.0048}$	$0.01899^{+0.0039}_{-0.0031}$	6517	$0.01894^{+0.0055}_{-0.0072}$	$0.02425^{+0.0068}_{-0.0039}$	1006
$t_{\overline{KS}}$	$0.99134^{+0.016}_{-0.0078}$	$1.01532^{+0.008}_{-0.004}$	12572	$0.0^{+0.0066}_{-0}$	$0.01141^{+0.0073}_{-0.011}$	49091
t_{SKS}	$0.01503^{+0.003}_{-0.0054}$	$0.01995^{+0.003}_{-0.0045}$	33042	$0.03552^{+0.0055}_{-0.013}$	$0.04366^{+0.01}_{-0.0066}$	15487
t_{FGD}	$0.00128^{+0.00037}_{-0.00044}$	$0.0017^{+0.00025}_{-0.00037}$	39527	$0.01534^{+0.0052}_{-0.0062}$	$0.01886^{+0.0045}_{-0.0055}$	24241
t_{MMD}	$0.00854^{+0.0046}_{-0.0034}$	$0.01163^{+0.004}_{-0.0029}$	31843	$0.01896^{+0.0074}_{-0.008}$	$0.02428^{+0.0068}_{-0.0071}$	27198
pow $_{-}$ -deformation				\mathcal{N} -deformation		
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}^{pow_{-}}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}^{\mathcal{N}}$	t (s)
t_{SW}	$0.01909^{+0.0073}_{-0.0077}$	$0.02693^{+0.0061}_{-0.0068}$	1006	$0.10868^{+0.02}_{-0.017}$	$0.1277^{+0.011}_{-0.022}$	886
$t_{\overline{KS}}$	$0.0^{+0.0095}_{-0}$	$0.01323^{+0.0069}_{-0.0085}$	45323	$0.0656^{+0.016}_{-0.049}$	$0.08707^{+0.013}_{-0.019}$	22186
t_{SKS}	$0.0356^{+0.0093}_{-0.013}$	$0.04726^{+0.007}_{-0.011}$	22261	$0.10733^{+0.022}_{-0.017}$	$0.13357^{+0.016}_{-0.026}$	24344
t_{FGD}	$0.01543^{+0.007}_{-0.0065}$	$0.01852^{+0.0068}_{-0.0042}$	24968	$0.04853^{+0.0071}_{-0.0075}$	$0.05702^{+0.0051}_{-0.006}$	24273
t_{MMD}	$0.01859^{+0.0085}_{-0.0081}$	$0.02501^{+0.0083}_{-0.0064}$	27960	$0.26953^{+0.035}_{-0.052}$	$0.30333^{+0.029}_{-0.011}$	19782
\mathcal{U} -deformation				Timing		
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}^{\mathcal{U}}$	t (s)	t^{null} (s)		
t_{SW}	$0.19116^{+0.035}_{-0.03}$	$0.22462^{+0.02}_{-0.039}$	774	133		
$t_{\overline{KS}}$	$0.10693^{+0.022}_{-0.086}$	$0.14193^{+0.021}_{-0.019}$	10646	1972		
t_{SKS}	$0.19116^{+0.035}_{-0.03}$	$0.22462^{+0.02}_{-0.039}$	16154	4379		
t_{FGD}	$0.08969^{+0.006}_{-0.016}$	$0.10215^{+0.0042}_{-0.016}$	21825	6689		
t_{MMD}	$0.48398^{+0.032}_{-0.088}$	$0.5512^{+0.022}_{-0.058}$	14676	3605		
t_{LLR}	-	-	-	-		