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

Statistic	μ-deformation			Σ_{ii}-deformation		
	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	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**
$t_{\overline{\mathrm{KS}}}$	$\mathbf{0.0^{+0.0045}_{-0}}$	$\mathbf{0.00771^{+0.0022}_{-0.0049}}$	58835	$\mathbf{0.0^{+0.013}_{-0}}$	$0.01904^{+0.0086}_{-0.011}$	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	$0.01469^{+0.0034}_{-0.0057}$	$\mathbf{0.01805^{+0.0043}_{-0.0051}}$	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
t_{NPLM}	$0.00152^{+0.00041}_{-0.00068}$	$0.00167^{+0.00045}_{-0.00046}$	64992	$0.00426^{+0.0014}_{-0.0017}$	$0.00471^{+0.00092}_{-0.0011}$	27852

Statistic	$\Sigma_{i \neq j}$-deformation			pow_+-deformation		
	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
t_{SW}	$0.03128^{+0.0068}_{-0.011}$	$0.04152^{+0.0061}_{-0.0067}$	**1424**	$0.01894^{+0.0055}_{-0.0072}$	$0.02425^{+0.0068}_{-0.0039}$	**1006**
$t_{\overline{\mathrm{KS}}}$	$0.99134^{+0.016}_{-0.0078}$	$1.01532^{+0.008}_{-0.004}$	11987	$\mathbf{0.0^{+0.0066}_{-0}}$	$\mathbf{0.01141^{+0.0073}_{-0.011}}$	49091
t_{SKS}	$0.03809^{+0.011}_{-0.013}$	$0.0515^{+0.011}_{-0.0083}$	27313	$0.03552^{+0.0055}_{-0.013}$	$0.04366^{+0.01}_{-0.0066}$	15487
t_{FGD}	$\mathbf{0.0026^{+0.00076}_{-0.00089}}$	$\mathbf{0.00345^{+0.00052}_{-0.00076}}$	33338	$0.01534^{+0.0052}_{-0.0062}$	$0.01886^{+0.0045}_{-0.0055}$	24241
t_{MMD}	$0.01919^{+0.011}_{-0.0079}$	$0.02614^{+0.0089}_{-0.0065}$	20604	$0.01896^{+0.0074}_{-0.008}$	$0.02428^{+0.0068}_{-0.0071}$	27198
t_{NPLM}	$0.00906^{+0.0021}_{-0.0035}$	$0.01018^{+0.0019}_{-0.0023}$	54091	$0.01792^{+0.0064}_{-0.0086}$	$0.02055^{+0.0056}_{-0.0056}$	37834

Statistic	pow_--deformation			$\mathcal{N}$-deformation		
	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	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**
$t_{\overline{\mathrm{KS}}}$	$\mathbf{0.0^{+0.0095}_{-0}}$	$\mathbf{0.01323^{+0.0069}_{-0.0085}}$	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	$\mathbf{0.04853^{+0.0071}_{-0.0075}}$	$\mathbf{0.05702^{+0.0051}_{-0.006}}$	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
t_{NPLM}	$0.03192^{+0.0075}_{-0.0064}$	$0.03387^{+0.0064}_{-0.007}$	29245	$0.08993^{+0.012}_{-0.016}$	$0.098^{+0.0071}_{-0.012}$	27364

Statistic	$\mathcal{U}$-deformation			Timing
	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	t^{null} (s)
t_{SW}	$0.19116^{+0.035}_{-0.03}$	$0.22462^{+0.02}_{-0.039}$	**774**	**133**
$t_{\overline{\mathrm{KS}}}$	$0.10693^{+0.022}_{-0.086}$	$0.14193^{+0.021}_{-0.019}$	10646	1972
t_{SKS}	$0.19116^{+0.035}_{-0.03}$	$0.22462^{+0.02}_{-0.039}$	16154	4379
t_{FGD}	$\mathbf{0.08969^{+0.006}_{-0.016}}$	$\mathbf{0.10215^{+0.0042}_{-0.016}}$	21825	6689
t_{MMD}	$0.48398^{+0.032}_{-0.088}$	$0.5512^{+0.022}_{-0.058}$	14676	3605
t_{NPLM}	$0.15699^{+0.019}_{-0.034}$	$0.1632^{+0.02}_{-0.02}$	27308	4569