Scaled Particle features with $n=m=10^4$							
	μ -deformation			Σ_{ii} -deformation			
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	
$t_{ m SW}$	$0.03001^{+0.0061}_{-0.012}$	$0.03983^{+0.0059}_{-0.0068}$	636	$0.03556^{+0.013}_{-0.014}$	$0.04838^{+0.01}_{-0.012}$	663	
$t_{\overline{ ext{KS}}}$	$0.01913^{+0.0053}_{-0.0097}$	$0.02873^{+0.0044}_{-0.0066}$	772	$0.04819^{+0.016}_{-0.026}$	$0.06797^{+0.015}_{-0.016}$	871	
$t_{ m SKS}$	$0.02745^{+0.0048}_{-0.011}$	$0.03644^{+0.0054}_{-0.0062}$	1583	$0.04382^{+0.021}_{-0.014}$	$0.0658^{+0.01}_{-0.016}$	1772	
$t_{ m FGD}$	$0.03709^{+0.0078}_{-0.013}$	$0.04616^{+0.0054}_{-0.0098}$	2093	$0.03145^{+0.0096}_{-0.013}$	$0.0415^{+0.013}_{-0.0099}$	2163	
$t_{ m MMD}$	$0.03985^{+0.0061}_{-0.0161}$	$0.04959^{+0.0059}_{-0.008}$	1591	$0.03486^{+0.015}_{-0.014}$	$0.04702^{+0.0095}_{-0.011}$	2055	
$t_{ m NPLM}$	$0.00341^{+0.0011}_{-0.0012}$	$0.04999_{-0.008}^{+0.00099} \\ 0.00398_{-0.0008}^{+0.00099}$	5719	$0.0132^{+0.0039}_{-0.0043}$	$0.0158^{+0.0034}_{-0.0034}$	4863	
	$\Sigma_{i\neq j}$ -deformation			pow_+ -deformation			
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	
$t_{ m SW}$	$0.06612^{+0.024}_{-0.02}$	$0.08996^{+0.019}_{-0.014}$	606	$0.04091^{+0.016}_{-0.016}$	$0.0543^{+0.008}_{-0.013}$	539	
$t_{\overline{ ext{KS}}}$	$1.03125^{+0.014}_{-0.011}$	$1.05323^{+0.0083}_{-0.016}$	$\bf 524$	$0.03145^{+0.0096}_{-0.017}$	$0.04437^{+0.01}_{-0.01}$	1171	
$t_{ m SKS}$	$0.08023^{+0.025}_{-0.029}$	$0.11316^{+0.026}_{-0.019}$	1725		$0.09525^{+0.013}_{-0.016}$	2062	
$t_{ m FGD}$	$0.00595^{+0.0021}_{-0.002}$	$0.00773^{+0.002}_{-0.0016}$	2951	$ \begin{array}{c} 0.06612^{+0.024}_{-0.023} \\ 0.03323^{+0.015}_{-0.014} \\ 0.04071^{+0.016} \end{array} $	$0.04254^{+0.012}_{-0.01}$	2277	
$t_{ m MMD}$	$0.04659^{+0.021}_{-0.019}$	$0.06147^{+0.019}_{-0.02}$	1637	$0.04071_{-0.016}^{+0.016}$	$0.0537^{+0.017}_{-0.013}$	2231	
$t_{ m NPLM}$	$0.02919^{+0.0098}_{-0.014}$	$0.03599^{+0.0066}_{-0.0083}$	4605	$0.04102^{+0.015}_{-0.019}$	$0.05014_{-0.011}^{+0.016}$	4282	
	powdeformation			\mathcal{N} -deformation			
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	
$t_{ m SW}$	$0.04382^{+0.021}_{-0.017}$	$0.0618^{+0.014}_{-0.018}$	689	$0.16911^{+0.026}_{-0.035}$	$0.18687^{+0.03}_{-0.02}$	397	
$t_{\overline{ ext{KS}}}$	$0.03145^{+0.0096}_{-0.018}$	$0.0415^{+0.013}_{-0.0096}$	1316	$0.11951^{+0.025}_{-0.034}$	0.14074 + 0.018	1196	
$t_{ m SKS}$	$0.07149^{+0.026}_{-0.026}$	$0.10084^{+0.023}_{-0.017}$	2143	$0.15558^{+0.04}_{-0.029}$	$0.14874_{-0.02} \ 0.19363_{-0.025}^{+0.023}$	1868	
$t_{ m FGD}$	$0.03556^{+0.013}_{-0.012}$	$0.04553^{+0.013}_{-0.013}$	2220	$0.07893^{+0.011}_{-0.015}$	$0.0886^{+0.012}_{-0.0093}$	1870	
$t_{ m MMD}$	$0.04497^{+0.023}_{-0.018}$	$0.05933^{+0.018}_{-0.014}$	2247	$0.41065^{+0.042}_{-0.05}$	$0.47533^{+0.05}_{-0.043}$	1844	
$t_{ m NPLM}$	$0.07771^{+0.014}_{-0.017}$	$0.08785^{+0.014}_{-0.014}$	4598	$0.1557^{+0.023}_{-0.046}$	$0.17567^{+0.019}_{-0.028}$	3816	
$\mathcal{U} ext{-} ext{deformation}$				Timing			
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	t^{null} (s)			
$t_{ m SW}$	$0.28696^{+0.041}_{-0.059}$	$0.31709^{+0.05}_{-0.033}$	373	139			
$t_{\overline{ ext{KS}}}$	$0.1977^{+0.029}_{-0.055}$	$\begin{array}{c} 0.31709^{+0.05}_{-0.033} \\ 0.24605^{+0.029}_{-0.032} \end{array}$	1238	173			
$t_{ m SKS}$	$0.28696^{+0.041}_{-0.066}$	$0.33718^{+0.03}_{-0.043}$	1817	402			
$t_{\rm FGD}$	$\mid 0.13593^{+0.016}_{-0.025} \mid$	$0.15378^{+0.02}_{-0.016}$	1874	651			
$t_{ m MMD}$	$0.69962^{+0.082}_{-0.086}$	$0.8098_{-0.074}^{+0.030}$	1768	368			
$t_{ m NPLM}$	$0.2653^{+0.044}_{-0.077}$	$0.30273_{-0.053}^{+0.035}$	3472	684			