MoG model with $d = 100$, $q = 10$, and $n = m = 10^4$							
μ -deformation				Σ_{ii} -deformation			
Statistic	$\mid \epsilon_{95\% ext{CL}} \mid$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\mid \epsilon_{95\% ext{CL}} \mid$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	
	<u> </u>						
t_{SW}	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{c} 0.12338^{+0.023}_{-0.024} \\ 0.01207^{+0.0034}_{-0.0032} \end{array}$	648 1244	$\begin{array}{c c} 0.03044^{+0.0066}_{-0.0084} \\ 0.00217^{+0.0011}_{-0.00099} \end{array}$	$0.03963^{+0.0061}_{-0.0067} \ 0.00375^{+0.0011}_{-0.0012}$	711 1389	
$t_{\overline{ ext{KS}}}$ $t_{ ext{SKS}}$	$0.07672^{+0.018}$	$0.10153^{+0.016}$	688	$0.02687^{+0.0041}$	$0.0345^{+0.0036}_{-0.004}$	736	
$t_{ m FGD}$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$0.16599^{+0.028}_{-0.028}$	2715	0.04142+0.0081	$0.0543_{-0.004}^{+0.004}$ $0.05232_{-0.0074}^{+0.0067}$	2955	
$t_{ m MMD}$	$0.10062^{+0.028}$	0.14192 + 0.023	1350	10.007	$0.03232_{-0.0074} \ 0.02757_{-0.0064}^{+0.0062}$	1536	
$t_{ m NPLM}$	1.0.002		3690	+ 0 00000	$0.02797_{-0.0064}^{+0.0064}$	4008	
$t_{ m NPLM}$	1 0.0000	-0.0031	35112	0.00040 ± 0.00076	$\begin{array}{c} 0.0279^{+0.0004} \\ 0.00399^{+0.00089}_{-0.001} \\ 0.00296^{+0.00067}_{-0.00081} \end{array}$	40089	
$t_{ m LLR}$	$\begin{array}{c c} 0.00774^{+0.0022}_{-0.0031} \\ 9e - 05^{+6e-05}_{-6e-05} \end{array}$	$\begin{array}{c} 0.00913^{+0.002}_{-0.0024} \\ 0.00012^{+6e-05}_{-6e-05} \end{array}$	3225	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$2e - 05^{+2e - 05}_{-1e - 05}$	3499	
*LLI($\Sigma_{i \neq j}$ -deformation pow ₊ -deformation						
Statistic	$\epsilon_{95\%\text{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\mid \epsilon_{95\% ext{CL}} \mid$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	
	<u>'</u>					. ,	
$t_{ m SW}$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$0.07365^{+0.0088}_{-0.011} \\ 1.00402^{+0.00037}_{-0.0018}$	3594	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$0.01579^{+0.0023}_{-0.0028} \ 0.00144^{+0.00041}_{-0.00045}$	730	
$t_{\overline{\mathrm{KS}}}$	$\begin{array}{c c} 1.00157^{+0.00038}_{-0.00012} \\ 0.0607^{+0.013} \end{array}$	$0.07996^{+0.011}_{-0.013}$	10395	$\begin{array}{c} 0.00084_{-0.00041} \\ 0.01088_{-0.0021}^{+0.0016} \end{array}$	$0.00144_{-0.00045}^{+0.0013}$ $0.0139_{-0.0015}^{+0.0013}$	1467	
$t_{ m SKS}$	$0.0607^{+0.013}_{-0.015}$	$0.07990_{-0.013}^{+0.0018}$ $0.01249_{-0.0019}^{+0.0018}$	$4297 \\ 7784$	$0.01088_{-0.0021}$	$0.0139_{-0.0015}$	773 2488	
$t_{\rm FGD}$	$\begin{array}{ c c c c c c }\hline 0.00958^{+0.0021}_{-0.0026} \\ 0.03968^{+0.01}_{-0.012} \end{array}$	$0.01249_{-0.0019}^{+0.0029}$ $0.05143_{-0.0095}^{+0.0089}$	5795	$\begin{array}{c} 0.01638^{+0.0032}_{-0.0039} \\ 0.00761^{+0.0026}_{-0.0028} \end{array}$	$0.02069_{-0.003}^{+0.0027}$	1238	
$t_{ m MMD}$	1.0.0022	$0.03143_{-0.0095}^{+0.002}$ $0.00712_{-0.0021}^{+0.002}$	9175	$0.00701_{-0.0028}$ $0.00126_{-0.00049}^{+0.00038}$	$\begin{array}{c} 0.00988^{+0.0023}_{-0.0023} \\ 0.00152^{+0.00034}_{-0.0004} \end{array}$	3952	
$t_{ m NPLM}$	$\begin{array}{c} 0.00559^{+0.0022}_{-0.0025} \\ 0.00952^{+0.0054}_{-0.0058} \end{array}$	0.01207 + 0.0053	39783	0.00006 + 0.0003	$0.00152_{-0.0004} \\ 0.00115_{-0.00032}^{+0.00025}$	45051	
$t_{ m NPLM} \ t_{ m LLR}$	0.00902_0.0058	0.01291_0.0055	99109	$1e - 05^{+0}_{-1e-05}$	$1e - 05^{+0}_{-1e-05}$	3842	
LLK	powdeformation			\mathcal{N} -deformation			
Statistic	$\epsilon_{95\%\mathrm{CL}}$		t (s)	1		t (s)	
		ε _{99%CL}	. ,	€95%CL	ε _{99%CL}	. ,	
$t_{ m SW}$	0.01253 ⁺⁵ _{-0.0032}	$0.0164^{+5}_{-0.0026}$	653	$0.32495^{+0.033}_{-0.046}$	$0.37663^{+0.025}_{-0.032}$	617	
$t_{\overline{\mathrm{KS}}}$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$0.00147^{+0.00042}_{-0.00047}$	1542	$0.02563_{-0.0097}^{+0.0081}$	$0.03668_{-0.008}^{+0.0078}$	652	
$t_{ m SKS}$	$0.01077^{+0.0016}_{-0.0021}$	$0.01376_{-0.0015}^{+0.0013} \\ 0.02139_{-0.0032}^{+0.0026}$	786	$0.27956^{+0.034}_{-0.043}$	$0.32856^{+0.027}_{-0.033}$	657	
$t_{\rm FGD}$	$0.01685^{+0.0032}_{-0.0038}$	$0.02139_{-0.0032}^{+0.0032} \\ 0.01083_{-0.0021}^{+0.002}$	3221	$0.28803^{+0.027}_{-0.038}$	$0.32529_{-0.025}^{+0.021}$ $1.33971_{-0.09}^{+0.09}$	2636	
$t_{\rm MMD}$	$\begin{array}{c} 0.00834^{+0.0023}_{-0.0025} \\ 0.00132^{+0.00037}_{-0.00048} \end{array}$	$0.01083_{-0.0021}^{+0.00033}$ $0.00158_{-0.00038}^{+0.00033}$	1257	$1.17867^{+0.13}_{-0.19}$	$1.33971^{+0.09}_{-0.12}$	731	
$t_{ m NPLM}$	0.00104+0.00028	$0.00138_{-0.00038}$ $0.00122_{-0.0003}^{+0.00024}$	$\frac{3821}{42976}$	$0.21200_{-0.073}$	$0.23237_{-0.056}$ $0.12089_{-0.03}^{+0.021}$	2901 29642	
$t_{ m NPLM}$	$1e - 05^{+0}_{-1e-05}$	$1e - 05^{+0}_{-1e-05}$	42970	0.10372 _{-0.036}	$0.12009_{-0.03}$	29042	
$t_{ m LLR}$			4303				
\mathcal{U} -deformation Statistic $\epsilon_{95\%\text{CL}}$ $\epsilon_{99\%\text{CL}}$ t (s)			Timing t^{null} (s)				
Statistic	ε _{95%CL}	€99%CL	t (s)				
$t_{ m SW}$	$0.56347^{+0.054}_{-0.083}$	$0.65308^{+0.044}_{-0.056}$	588	285			
$t_{\overline{\mathrm{KS}}}$	$0.03885^{+0.012}_{-0.015}$	$0.0555^{+0.011}_{-0.012}$	644	511			
$t_{ m SKS}$	$0.48383^{+0.061}_{-0.074}$	$0.56865^{+0.048}_{-0.057}$	631	456			
$t_{\rm FGD}$	$0.49924^{+0.046}_{-0.066}$	$0.56381^{+0.036}_{-0.047}$	2515	3225			
$t_{ m MMD}$	$2.02548^{+0.23}_{-0.32}$	$2.31727_{-0.2}^{+0.16}$	1113	665			
$t_{ m NPLM}$	$0.37095^{+0.096}_{-0.13}$	$0.43272_{-0.094}^{+0.082} \\ 0.20795_{-0.047}^{+0.038}$	2769	5141			
$t_{ m NPLM}$	$0.18018^{+0.045}_{-0.065}$	$0.20795_{-0.047}^{+0.005}$	28353	56341			
$t_{ m LLR}$	-	=	-	-			