MoG model with $d = 20$, $q = 5$, and $n = m = 5 \cdot 10^4$						
	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)
$t_{\rm SW}$	$0.04957^{+0.018}_{-0.02}$	$0.06694^{+0.017}_{-0.017}$	3023	$0.01679^{+0.005}_{-0.0063}$	$0.02315^{+0.0045}_{-0.005}$	3197
$t_{\overline{ ext{KS}}}$	$0.00482^{+0.0013}_{-0.0018}$	$0.00667^{+0.0011}_{-0.0013}$	2966	$0.00175^{+0.00052}_{-0.00068}$	$0.00248^{+0.00042}_{-0.00052}$	3185
$t_{ m SKS}$	$0.03647^{+0.011}_{-0.014}$	$0.04821^{+0.011}_{-0.012}$	2899	$0.01329^{+0.003}_{-0.0043}$	$0.01759^{+0.0025}_{-0.003}$	3022
$t_{ m FGD}$	$0.05778^{+0.026}_{-0.027}$	$0.0787^{+0.023}_{-0.021}$	4047	$0.01945^{+0.0063}_{-0.0081}$	$0.02651^{+0.0053}_{-0.0056}$	4507
$t_{ m MMD}$	$0.04425^{+0.019}_{-0.018}$	$0.06215^{+0.017}_{-0.015}$	10204	$0.00923^{+0.0058}_{-0.0051}$	$0.01305^{+0.0053}_{-0.0044}$	11217
$t_{ m NPLM}$	$0.00573^{+0.0017}_{-0.0022}$	$0.007^{+0.0016}_{-0.0018}$	15953	1 - 0.0005	$0.00161^{+0.00046}_{-0.00048}$	20295
$t_{ m NPLM}$	$0.0025^{+0.0006}_{-0.00077}$	$0.00294^{+0.00051}_{-0.00064}$	41843	$0.00083^{+0.00023}_{-0.00028}$	0.00000 ± 0.0002	46776
$t_{ m LLR}$	$0.0025_{-0.00077}^{+0.0006} \\ 0.00021_{-0.00014}^{+0.00013}$	$\begin{array}{c} -0.00294^{+0.00051}_{-0.00064} \\ 0.0003^{+0.00013}_{-0.00014} \end{array}$	5911	$\begin{array}{c} 0.00131_{-0.0006} \\ 0.00083_{-0.00028}^{+0.00023} \\ 7e - 05_{-4e-05}^{+5e-05} \end{array}$	$0.00099_{-0.00024} \\ 0.0001_{-4e-05}^{+5e-05}$	6304
$\Sigma_{i\neq j}$ -deformation				pow_+ -deformation		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$\begin{array}{c} 0.02162^{+0.0056}_{-0.008} \\ 1.00146^{+0.00074}_{-0.00031} \end{array}$	$0.02935^{+0.0045}_{-0.0055}$	3410	$\begin{array}{c} 0.00581^{+0.0017}_{-0.0022} \\ 0.0004^{+0.00015}_{-0.00017} \end{array}$	$0.00798^{+0.0015}_{-0.0017}$	3157
$t_{\overline{ ext{KS}}}$	$1.00146^{+0.00074}_{-0.00031}$	$1.00238^{+0.00055}_{-0.00031}$	3967	$0.0004^{+0.00015}_{-0.00017}$	$0.00059^{+0.00013}_{-0.00014}$	3363
$t_{ m SKS}$	$0.02306^{+0.0071}_{-0.0088}$	$0.03079^{+0.0062}_{-0.0072}$	3553	$0.0043^{+0.0009}_{-0.0013}$	$0.00565^{+0.00074}_{-0.0009}$	3193
$t_{ m FGD}$	$0.00551^{+0.0015}_{-0.002}$	$0.00748^{+0.0013}_{-0.0013}$	6327	$0.00702^{+0.0021}_{-0.0028}$	$0.00965^{+0.0016}_{-0.0019}$	4870
$t_{ m MMD}$	$0.01723^{+0.008}_{-0.0072}$	$0.02431^{+0.0069}_{-0.0064}$	11450	$0.00332^{+0.0018}_{-0.0017}$	$0.00467^{+0.0017}$	11801
$t_{ m NPLM}$	0.0010 ± 0.00039	$0.0015^{+0.00036}_{-0.0004}$	18640	$0.00049^{+0.00018}_{-0.00023}$	$0.0006^{+0.00017}_{-0.00018}$	26300
$t_{ m NPLM}$	$0.0012_{-0.0005} \\ 0.0015_{-0.0007}^{+0.0007}$	$\begin{array}{c} 0.0015^{+0.00036}_{-0.0004} \\ 0.00199^{+0.0006}_{-0.00069} \end{array}$	112295		0.00022^{+5e-05}_{5a-05}	52507
$t_{ m LLR}$	-	-	-	$\begin{array}{c} 0.00019^{+3e-05}_{-6e-05} \\ 2e - 05^{+1e-05}_{-1e-05} \end{array}$	$2e - 05^{+1}_{-1}^{+1}_{e-05}^{-05}$	6877
	powdeformation			$\mathcal{N} ext{-deformation}$		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{\rm SW}$	$0.00604^{+0.0017}_{-0.0023}$	$0.00825^{+0.0016}_{-0.0018}$	3051	$0.19318^{+0.025}_{-0.039}$	$0.22704^{+0.019}_{-0.026}$	2403
$t_{\overline{ ext{KS}}}$	$0.00042^{+0.00015}_{-0.00018}$	$0.00061^{+0.00013}_{-0.0015}$	3372	$0.00751^{+0.002}_{-0.0024}$	$0.00993^{+0.0018}_{-0.002}$	2934
$t_{ m SKS}$		$0.00574^{+0.00077}_{-0.00094}$	3324	$0.15874^{+0.023}_{-0.034}$	$0.18473^{+0.019}_{-0.023}$	2726
$t_{\rm FGD}$	$0.00441_{-0.0014}^{+0.00092} \\ 0.00722_{-0.0027}^{+0.0021}$	$0.00987^{+0.0016}_{-0.0019}$	4892	$0.18095^{+0.023}_{-0.028}$	$0.21269^{+0.016}$	3756
$t_{ m MMD}$	$0.00353^{+0.0016}_{-0.0015}$	$\begin{array}{c} -0.0013 \\ 0.00574 ^{+0.00077} \\ 0.00987 ^{+0.0016} \\ 0.00494 ^{+0.0014} \\ 0.00494 ^{+0.0012} \end{array}$	11418	$0.43531^{+0.066}_{-0.11}$	$0.51609^{+0.045}_{-0.054}$	8642
$t_{ m NPLM}$	0.00051 0.00011	$0.00063^{+0.00012}_{-0.00014}$	19802	$0.08319^{+0.014}_{-0.023}$	$0.09371^{+0.011}_{-0.015}$	13939
$t_{ m NPLM}$	0.0002^{+4e-05}_{-6e-05}	$0.00023^{+4e-05}_{-5e-05}$	48084	$0.03697^{+0.0054}_{-0.0081}$	$0.04073^{+0.0045}_{-0.0056}$	36180
$t_{ m LLR}$	$\begin{array}{c} 0.0001_{-0.00018} \\ 0.0002_{-6e-05}^{+4e-05} \\ 2e - 05_{-1e-05}^{+1e-05} \end{array}$	$2e - 05^{+1}_{-1}e^{-05}_{-05}$	6991	-	-	-
\mathcal{U} -deformation					Timing	
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	t^{null} (s)	<u> </u>	
$t_{\rm SW}$	$0.33394^{+0.044}_{-0.068}$	$0.39248^{+0.033}_{-0.044}$	2354	338		
$t_{\overline{ ext{KS}}}$	$0.01211^{+0.003}_{-0.0035}$	$0.01575^{+0.0027}_{-0.002}$	2835	155		
$t_{ m SKS}$	$0.27395^{+0.041}_{-0.059}$	$0.3188^{+0.033}_{-0.04} \ 0.36919^{+0.027}_{-0.036} \ 0.89336^{+0.078}_{-0.098}$	2601	509		
$t_{ m FGD}$	$0.31409^{+0.04}_{-0.07}$	$0.36919_{-0.036}^{+0.027}$	3643	2795		
$t_{ m MMD}$	$0.75353^{+0.12}_{-0.18}$	$0.89336^{+0.078}_{-0.098}$	7700	13860		
$t_{ m NPLM}$	$0.144^{+0.025}_{-0.039}$	$0.16221^{\pm 0.019}$	13245	22883		
$t_{ m NPLM}$	$0.06387^{+0.0096}_{-0.014}$	$0.07083^{+0.0074}_{-0.01}$	34879	61789		
$t_{ m LLR}$	-	_	_	_		