			20, q =	= 5, and $n = m = 1$		
~	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)
$t_{ m SW}$	$0.03313^{+0.013}_{-0.014}$	$0.04474^{+0.012}_{-0.013}$	2949	$0.01198^{+0.0033}_{-0.0043}$	$0.01611^{+0.0031}_{-0.0034}$	3129
$t_{\overline{ ext{KS}}}$	$\begin{array}{c} 0.00318_{-0.0014}^{+0.00093} \\ 0.00336_{-0.00012}^{+0.0082} \\ 0.02413_{-0.0095}^{+0.018} \\ 0.03818_{-0.016}^{+0.018} \end{array}$	$\begin{array}{c} \textbf{0.0111}_{-0.013} \\ \textbf{0.00457}_{-0.00092}^{+0.0008} \\ \textbf{0.03295}_{-0.0081}^{+0.0076} \\ \textbf{0.05241}_{-0.014}^{+0.017} \end{array}$	3047	$\begin{array}{c} \textbf{0.00133} = 0.0043 \\ \textbf{0.00123} = 0.00035 \\ 0.0094 = 0.0029 \\ 0.01349 = 0.0047 \\ 0.00667 = 0.0047 \\ 0.00667 = 0.0027 \\ \textbf{0.0067} = 0.0047 \\ 0.0067$	$0.00169^{+0.00029}_{-0.00036}$	3163
$t_{ m SKS}$	$0.02413^{+0.0082}_{-0.0095}$	$0.03295^{+0.0076}_{-0.0081}$	3089	$0.0094^{+0.002}_{-0.0029}$	$0.01256^{+0.0017}_{-0.002}$	3211
$t_{ m FGD}$	$0.03818^{+0.018}_{-0.016}$	$0.05241^{+0.017}_{-0.014}$	5730	$0.01349^{+0.004}_{-0.0047}$	$0.01827^{+0.0034}_{-0.0035}$	5971
$t_{ m MMD}$	$0.03221^{+0.012}_{-0.011}$	$0.04404^{+0.011}_{-0.0098}$	11685	$0.00667^{+0.0033}_{-0.0027}$	$0.00928^{+0.0031}_{-0.0025}$	12637
$t_{ m LLR}$	$ \begin{array}{c} 0.03818_{-0.016}^{+0.016} \\ 0.03221_{-0.011}^{+0.012} \\ 0.00014_{-9e-05}^{+0.0001} \end{array} $	$0.00021_{-9e-05}^{+0.0001}$	9362	$5e - 05^{+4}_{-3e-05}^{-0.0027}$	$\begin{array}{c} \textbf{0.01611} \begin{array}{l} -0.0034 \\ \textbf{0.00169} \begin{array}{l} +0.00029 \\ -0.00036 \\ 0.01256 \begin{array}{l} +0.0017 \\ -0.0025 \\ 0.0035 \\ 0.00928 \begin{array}{l} +0.0031 \\ -0.0025 \\ 0.00928 \begin{array}{l} +0.0031 \\ -0.0025 \\ 0.00938 \begin{array}{l} +0.0031 \\ -0.0025 \\ 0.00938 \end{array} \end{array}$	7986
$\Sigma_{i \neq j}$ -deformation				pow_+ -deformation		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.01488^{+0.0037}_{-0.0054}$	$0.01998^{+0.0032}_{-0.0039}$	3497	$0.00416^{+0.0012}_{-0.0015}$	$0.00561^{+0.001}_{-0.0012}$	3284
$t_{\overline{ ext{KS}}}$	$1.00159^{+0.00012}_{-0.0012}$	$1.00183^{+0.00024}_{-0.00055}$	3998	$0.00029^{+9e-05}_{-0.00012}$	$0.00041^{+9\mathrm{e}-05}_{-0.0001}$	3555
$t_{ m SKS}$	$0.0157^{+0.0051}_{-0.0064}$	$0.02125^{+0.0048}_{-0.0052}$	3704	$0.00306^{+0.00002}_{-0.00089}$	$0.00405^{+0.00043}$	3412
$t_{ m FGD}$	$0.0038^{+0.00091}_{-0.0012}$	0.00081	8033	$0.00494^{+0.0013}_{-0.0016}$	$0.00667^{+0.0011}_{-0.0011}$	5958
$t_{ m MMD}$	$0.01272_{-0.0044}^{+0.0012}$	$0.0051_{-0.00081} \\ 0.01711_{-0.004}^{+0.0048}$	13426	0.00041 ± 0.001	$\begin{array}{c} 0.00667^{+0.0006}_{-0.0011} \\ 0.00333^{+0.00094}_{-0.00082} \end{array}$	13310
$t_{ m LLR}$	-	-	-	$\begin{array}{c c} 0.00241_{-0.00091} \\ 1e - 05_{-1e-05}^{+1e-05} \end{array}$	$2e - 05^{+0}_{-1e-05}$	8742
$pow\deformation$				$\mathcal{N} ext{-deformation}$		
Statistic	$\epsilon_{95\%{ m CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.00419^{+0.0012}_{-0.0015}$	$0.00567^{+0.0011}_{-0.0012}$	3291	$0.16001^{+0.02}_{-0.031}$	$0.18547^{+0.016}_{-0.019}$	2607
$t_{\overline{ ext{KS}}}$	$0.00029^{+0.0001}_{-0.00012}$	$0.00041^{+0.0001}$	3549	$0.00593^{+0.0015}_{-0.0018}$	$0.00757^{+0.0014}_{-0.0015}$	3131
$t_{ m SKS}$	$0.00301^{+0.00067}_{-0.00097}$	$0.00398^{+0.00056}_{-0.00065}$	3447	$0.13104^{+0.019}_{-0.028}$	$0.15417^{+0.015}_{-0.02}$	2786
$t_{ m FGD}$	$0.00488^{+0.0013}_{-0.0016}$	$0.00669^{+0.0011}_{-0.0011}$	5693	$0.15039^{+0.017}_{-0.027}$	$0.17553^{+0.012}_{-0.015}$	4625
$t_{ m MMD}$	$0.00257^{+0.001}_{-0.00091}$	$0.00349^{+0.00096}_{-0.00081}$	13333	$0.37231_{-0.061}^{+0.027}$	$0.43454_{-0.033}^{+0.013}$	9278
$t_{ m LLR}$	$1e - 05^{+1e-05}_{-1e-05}$	$2e - 05^{+0}_{-1e-05}$	8857	-	-	_
$\mathcal{U} ext{-} ext{deformation}$					Timing	
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	t^{null} (s)		
$t_{ m SW}$	$0.27854^{+0.033}_{-0.055}$	$0.32293^{+0.025}_{-0.035}$	2497	384		
$t_{\overline{ ext{KS}}}$	$\begin{array}{c} 0.27634_{-0.055} \\ 0.00979_{-0.0028}^{+0.0023} \\ 0.22648_{-0.049}^{+0.032} \\ 0.26002_{-0.046}^{+0.03} \\ \end{array}$	$0.01236^{+0.0019}_{-0.0022}$	2980	321		
$t_{ m SKS}$	$0.22648^{+0.032}_{-0.049}$	$0.26646^{+0.026}_{-0.034}$ $0.30348^{+0.021}_{-0.026}$	2674	721		
$t_{ m FGD}$	$0.26002^{+0.03}_{-0.046}$	$0.30348^{+0.021}_{-0.026}$	4428	5139		
$t_{ m MMD}$	$0.64451^{+0.068}_{-0.094}$	$0.75224_{-0.053}^{+0.053}$	9043	16625		
$t_{ m LLR}$	-	-	-	-		