	CG	model with d =	100 an	$\mathbf{nd} \ \mathbf{n} = \mathbf{m} = 2 \cdot 10$	4	
		leformation	Σ_{ii} -deformation			
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$\begin{array}{c} 0.05955^{+0.021}_{-0.023} \\ 0.05834^{+0.019}_{-0.022} \\ 0.06195^{+0.021}_{-0.023} \\ 0.06396^{+0.025}_{-0.024} \\ \textbf{0.04176}^{+0.022}_{-0.018} \\ 0.00379^{+0.0026}_{-0.0026} \end{array}$	$0.07615^{+0.019}_{-0.02}$	890	$0.0225^{+0.0073}_{-0.0082}$	$0.02867^{+0.0068}_{-0.0069}$	954
$t_{\overline{ ext{KS}}}$	$0.05834_{-0.022}^{+0.019}$	$0.07252^{+0.019}_{-0.019} \ 0.07252^{+0.019}_{-0.019} \ 0.07913^{+0.019}_{-0.021} \ 0.07971^{+0.022}_{-0.021} \ 0.05326^{+0.021}_{-0.017} \ 0.05576^{+0.021}_{-0.017}$	802	$\begin{array}{c} 0.0225 - 0.0082 \\ 0.02825 + 0.0094 \\ -0.011 \\ 0.02901 + 0.0093 \\ -0.011 \\ 0.0255 \end{array}$	$0.03574_{-0.0095}^{+0.0088} \\ 0.03683_{-0.0092}^{+0.0086}$	861
$t_{ m SKS}$	$0.06195^{+0.021}_{-0.023}$	$0.07913^{+0.019}_{-0.021}$	1200	$0.02901^{+0.0093}_{-0.011}$	$0.03683^{+0.0086}_{-0.0092}$	1080
$t_{ m FGD}$	$0.06396^{+0.025}_{-0.024}$	$0.07971^{+0.022}_{-0.021}$	5360		$0.02523^{+0.0066}_{-0.0069}$ $0.03445^{+0.011}_{-0.0094}$	5467
$t_{ m MMD}$	$0.04176_{-0.018}^{+0.022}$	$0.05326_{-0.017}^{+0.021}$	1934	$0.02689^{+0.012}_{-0.01}$	$0.03445^{+0.011}_{-0.0094}$	1959
$t_{ m LLR}$	$0.00379^{+0.0026}_{-0.0026}$	$0.0055^{+0.0026}_{-0.0026}$	3816	$ \begin{array}{c} \textbf{0.02023} \begin{array}{c} \textbf{-0.0082} \\ \textbf{0.02689} \begin{array}{c} \textbf{-0.0132} \\ \textbf{-0.01} \\ \textbf{0.00074} \begin{array}{c} \textbf{+0.00053} \\ \textbf{-0.00053} \end{array} \end{array} $	$0.00108^{+0.00052}_{-0.00053}$	4378
$\Sigma_{i\neq j}$ -deformation				pow_+ -deformation		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$\begin{array}{ c c c c c c }\hline 0.0527^{+0.013}_{-0.017} \\ 1.02602^{+0.0091}_{-0.007} \end{array}$	$0.06819_{-0.013}^{+0.011} \\ 1.03113_{-0.003}^{+0.015}$	3438	$0.00495^{+0.0017}_{-0.0019}$	$\begin{array}{c} 0.00629^{+0.0017}_{-0.0016} \\ 0.00754^{+0.0018}_{-0.0019} \end{array}$	978
$t_{\overline{ ext{KS}}}$	$1.02602_{-0.007}^{+0.0091}$	$1.03113^{+0.015}_{-0.003}$	7951	$0.00613^{+0.0019}_{-0.0022}$	$0.00754^{+0.0018}_{-0.0019}$	896
$t_{ m SKS}$	$0.0706^{+0.019}_{-0.025}$	$0.0902^{+0.019}_{-0.021}$	4340	$0.00572^{+0.0022}_{-0.0021}$	0.00514 ± 0.0018	1180
$t_{ m FGD}$	$\begin{array}{c} -0.007 \\ 0.0706^{+0.019}_{-0.025} \\ 0.00469^{+0.0013}_{-0.0017} \\ \end{array}$	$0.00589_{-0.0014}^{+0.0012}$ $0.04603_{-0.013}^{+0.014}$	9541	$ \begin{array}{c} 0.00572^{+0.0019}_{-0.0021} \\ 0.00494^{+0.0019}_{-0.002} \\ \textbf{0.00332}^{+0.0018}_{-0.0014} \\ \end{array} $	$0.00714_{-0.0018}^{+0.0018}$ $0.00613_{-0.0017}^{+0.0018}$	6351
$t_{ m MMD}$	$0.03593^{+0.016}_{-0.014}$	$0.04603^{+0.014}_{-0.013}$	7506	$0.00332^{+0.0018}_{-0.0014}$	$0.00423^{+0.0017}_{-0.0013}$	2150
$t_{ m LLR}$	-	-	-	$\begin{array}{c} \textbf{0.00332}_{-0.0014}^{+0.0034} \\ 0.00021_{-0.00015}^{+0.00015} \end{array}$	$0.00032^{+0.00015}_{-0.00015}$	4341
$pow\deformation$				$\mathcal{N} ext{-} ext{deformation}$		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
$t_{ m SW}$	$0.00508^{+5}_{-0.0017}$	$0.00647^{+5}_{-0.0015}$	915	$0.41334^{+0.062}_{-0.084}$	$0.46898^{+0.052}_{-0.058}$	805
$t_{\overline{ ext{KS}}}$	$0.00597^{+0.0019}_{-0.0021}$	$0.0074^{+0.0017}_{-0.0018}$	900	$0.46482^{+0.07}_{-0.007}$	$0.52444_{-0.075}^{+0.056}$	731
$t_{ m SKS}$	$0.00563^{+0.0017}_{-0.002}$	$0.0074_{-0.0018}^{+0.0017} \\ 0.00704_{-0.0018}^{+0.0016} \\ 0.00704_{-0.0017}^{+0.0016}$	1185	$0.44843^{+0.067}_{-0.096}$	$0.50879_{-0.069}^{+0.0157}$	928
$t_{ m FGD}$	$0.00508^{+0.0017}_{-0.0018}$	$0.00625^{+0.0016}_{-0.0015}$	6610	$0.1987\substack{+0.025 \ -0.037}$	$0.22055^{+0.021}_{-0.025}$	5119
$t_{ m MMD}$	$0.00353^{+0.0019}_{-0.0016}$	$0.0045^{+0.0018}_{-0.0014}$	2116	$1.01973^{+0.13}_{-0.17}$	$1.1523_{-0.11}^{+0.097}$	1563
$t_{ m LLR}$	$0.00028^{+0.00015}_{-0.00015}$	$0.00039^{+0.00015}_{-0.00015}$	4141	-	-	-
$\mathcal{U} ext{-} ext{deformation}$				Timing		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	t^{null} (s)		
$t_{ m SW}$	$0.71388^{+0.11}_{-0.14}$	$0.81581^{+0.084}_{-0.1}$	775	294		
$t_{\overline{ ext{KS}}}$	$0.80534_{-0.17}^{+0.12}$	$0.90238^{+0.1}_{-0.13}$	710	527		
$t_{ m SKS}$	$0.77724_{-0.16}^{+0.12}$	$0.88187^{+0.098}_{-0.13}$	913	592		
$t_{ m FGD}$	$0.34266^{+0.043}_{-0.065}$	$0.38262^{+0.033}_{-0.044}$	4326	7457		
$t_{ m MMD}$	$1.76762^{+0.21}_{-0.3}$	$1.99743^{+0.17}_{-0.19}$	1492	2390		
$t_{ m LLR}$	_	-	-	-		