	C	G model with d	= 20 ar	$\mathrm{nd} \ \mathrm{n} = \mathrm{m} = 10^5$		
	$\mu$ -deformation			$\Sigma_{ii}$ -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{vmatrix} 0.03129^{+0.017}_{-0.017} \\ 0.03141^{+0.016}_{-0.015} \\ 0.03135^{+0.016}_{-0.016} \\ \textbf{0.03111}^{+0.021}_{-0.017} \end{vmatrix} $	$0.04371_{-0.016}^{+0.017}$	639	$\begin{array}{c} 0.01426^{+0.005}_{-0.0059} \\ 0.01967^{+0.0071}_{-0.0077} \\ 0.018^{+0.0065}_{-0.0075} \\ \textbf{0.01186}^{+0.0054}_{-0.005} \\ 0.01562^{+0.01}_{-0.0074} \\ 0.01211^{+0.0007}_{-0.0074} \end{array}$	$0.01917^{+0.0048}_{-0.0048}$	665
$t_{\overline{ ext{KS}}}$	$0.03141^{+0.016}_{-0.015}$	$0.04347^{+0.015}_{-0.015}$ $0.04314^{+0.016}_{-0.015}$	460	$0.01967^{+0.0071}_{-0.0077}$	$0.02735^{+0.0066}_{-0.007}$ $0.02411^{+0.0063}_{-0.0064}$	472
$t_{ m SKS}$	$0.03135^{+0.016}_{-0.016}$	$0.04314_{-0.015}^{+0.016}$	769	$0.018^{+0.0065}_{-0.0075}$	$0.02411^{+0.0063}_{-0.0064}$	782
$t_{ m FGD}$	$0.03111^{+0.021}_{-0.017}$	0 0 4004 + 0 019	4255	$0.01186^{+0.0054}_{-0.005}$	$0.01569^{+0.0048}_{-0.0044}$	4335
$t_{ m MMD}$	$0.04025^{+0.025}_{-0.019}$	$0.04221_{-0.016}^{+0.016}$ $0.05607_{-0.018}^{+0.023}$ $0.00499_{-0.0024}^{+0.0024}$	9663	$0.01562^{+0.01}_{-0.0074}$	$0.02173^{+0.0094}_{-0.0071}$	10030
$t_{ m LLR}$	$ \begin{array}{c} 0.03111_{-0.017}^{+0.017} \\ 0.04025_{-0.019}^{+0.025} \\ 0.00359_{-0.0024}^{+0.0024} \end{array} $	$0.00499^{+0.0024}_{-0.0024}$	4610	$0.00121^{+0.0007}_{-0.00069}$	$\begin{array}{c} -0.0048 \\ \textbf{0.01569} + 0.0048 \\ 0.02173 + 0.0094 \\ 0.02173 + 0.00071 \\ 0.00169 + 0.00069 \\ \end{array}$	5014
$\Sigma_{i\neq j}$ -deformation				pow deformation		
Statistic	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\text{CL}}^{\text{pow}_{+}}$	t (s)
$t_{ m SW}$	$0.008^{+0.0026}_{-0.0033}$	$0.01172^{+0.0022}_{-0.0026}$	682	$0.00297^{+0.0014}_{-0.0015}$	$0.00412^{+0.0013}_{-0.0013}$	704
$t_{\overline{ ext{KS}}}$	$1.00821^{+0.005}_{-0.0022}$	$1.01193^{+0.0022}_{-0.0015}$	330	$0.00399^{+0.0016}_{-0.0017}$	$0.00538^{+0.0014}_{-0.0015}$	508
$t_{ m SKS}$	$0.00699^{+0.0027}_{-0.0031}$	$0.01009^{+0.0026}_{-0.0028}$	833	$0.00327^{+0.0013}_{-0.0015}$	$0.00437^{+0.0013}_{-0.0013}$	837
$t_{ m FGD}$	$0.00162^{+0.00043}_{-0.00056}$	$0.00213^{+0.00036}_{-0.00041}$	3859	$0.00271^{+0.0015}_{-0.0014}$	$0.00361^{+0.0014}_{-0.0011}$	3416
$t_{ m MMD}$	$0.0089^{+0.0058}_{-0.0041}$	$0.01257^{+0.0055}_{-0.004}$	12614	$0.00241^{+0.0016}_{-0.0012}$	$0.00337^{+0.0015}_{-0.0011}$	11029
$t_{ m LLR}$	$\begin{array}{c} 0.0089^{+0.0058}_{-0.0041} \\ 5e - 05^{+3e-05}_{-3e-05} \end{array}$	$7e - 05^{+3e - 05}_{-3e - 05}$	6857	$0.00029^{+0.00017}_{-0.00017}$	$0.00041^{+0.00017}_{-0.00016}$	5378
$pow\deformation$				$\mathcal{N} ext{-deformation}$		
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathrm{pow}_{-}}$	t (s)	$\epsilon_{95\% ext{CL}}$	$\epsilon_{99\%\mathrm{CL}}^{\mathcal{N}}$	t (s)
$t_{ m SW}$	$0.00332^{+5}_{-0.0012}$	$0.00448^{+5}_{-0.00099}$	636	$0.2383^{+0.041}_{-0.058}$	$0.2828^{+0.032}_{-0.039}$	527
$t_{\overline{ ext{KS}}}$	$0.00427^{+0.0013}$	$0.00565^{+0.0013}_{-0.0012}$	$\bf 502$	$\begin{array}{c} 0.26557 ^{+0.046}_{-0.062} \\ 0.23289 ^{+0.042}_{-0.057} \end{array}$	$0.31516^{+0.036}_{-0.044}$	418
$t_{ m SKS}$	$0.00361^{+0.0011}_{-0.0012}$	$0.0047^{+0.0011}_{-0.001}$	826	$0.23289^{+0.042}_{-0.057}$	$0.27403^{+0.034}_{-0.041}$	672
$t_{ m FGD}$	$0.00296^{+0.0012}_{-0.001}$	$0.0039^{+0.0011}_{-0.00093}$	3369	$0.14094^{+0.018}$	$0.16127^{+0.013}_{-0.016}$	2623
$t_{ m MMD}$	$+0.0014 \pm 0.0016$	$0.0034^{+0.0015}_{-0.0011}$	11032	$0.60915_{-0.12}^{+0.1}$	$0.71813^{+0.08}_{-0.08}$	7611
$t_{ m LLR}$	$\begin{array}{c c} 0.00241_{-0.0011} \\ 0.00031_{-0.00017}^{+0.00016} \end{array}$	$0.00043^{+0.00016}_{-0.00017}$	5381	-	-	_
$\mathcal{U}$ -deformation					Timing	
Statistic	$\epsilon_{95\%{ m CL}}$	$\epsilon_{99\%{ m CL}}^{\cal U}$	t (s)	$t^{\text{null}}$ (s)		
$t_{ m SW}$	$0.41249^{+0.072}_{-0.1}$	$0.49115^{+0.057}_{-0.069}$	515	358		
$t_{\overline{ ext{KS}}}$	$0.45649^{+0.083}_{-0.1}$	$0.54954 \pm 0.064$	402	224		
$t_{ m SKS}$	$0.40164^{+0.076}_{-0.096}$	$0.54354_{-0.073}^{+0.061}$ $0.47562_{-0.07}^{+0.061}$	663	702		
$t_{ m FGD}$	$0.24366^{+0.031}$	$0.27881^{+0.023}_{-0.027}$	2511	6325		
$t_{ m MMD}$	$\begin{array}{c c} 1.06239^{+0.16}_{-0.22} \\ \end{array}$	$1.24837^{+0.14}_{-0.14}$	8273	16601		
$t_{ m LLR}$	-	-	-	-		