	C	G model with d	= 5 and	$nd n = m = 10^4$			
	$\mu$ -deformation			$\Sigma_{ii}$ -deformation			
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	
$t_{ m SW}$	$0.09616^{+0.048}_{-0.044}$	$0.12994^{+0.048}_{-0.043}$	672	$ \begin{vmatrix} 0.03714^{+0.012}_{-0.013} \\ 0.06456^{+0.026}_{-0.027} \\ 0.05119^{+0.017}_{-0.019} \end{vmatrix} $	$0.05073^{+0.012}_{-0.011}$	506	
$t_{\overline{ ext{KS}}}$	$0.08231^{+0.038}_{-0.038}$	0 10549 <sup>+0.037</sup>	512	$0.06456^{+0.026}_{-0.027}$	$0.08369_{-0.025}^{+0.025}$	587	
$t_{ m SKS}$	$ \begin{array}{c c} 0.09964^{+0.046}_{-0.043} \\ 0.09501^{+0.057}_{-0.043} \end{array} $	$0.1332^{+0.045}_{-0.043}$	926	$0.05119^{+0.017}_{-0.019}$	$0.06884^{+0.017}_{-0.017}$	1027	
$t_{ m FGD}$	$0.09501^{+0.057}_{-0.043}$	$0.1332_{-0.045}^{+0.045}$ $0.1332_{-0.043}^{+0.045}$ $0.12754_{-0.04}^{+0.053}$	523	$0.03069^{+0.013}$	$\begin{array}{c} 0.08369^{+0.025}_{-0.025} \\ 0.08369^{+0.025}_{-0.025} \\ 0.06884^{+0.017}_{-0.017} \\ \textbf{0.04128}^{+0.012}_{-0.01} \end{array}$	526	
$t_{ m MMD}$	$ \begin{array}{c c} 0.09301_{-0.043} \\ 0.11968_{-0.05}^{+0.074} \end{array} $	$0.17104^{+0.009}_{-0.051}$	544	$0.03462^{+0.021}_{-0.015}$	$0.0492^{+0.02}_{-0.014}$	608	
$t_{ m LLR}$	$0.02932_{-0.02}^{+0.03}$	$0.04099_{-0.02}^{+0.031}$	1069	$\begin{array}{c c} 0.00622^{+0.0039}_{-0.0038} \\ \end{array}$	$0.00873_{-0.0039}^{+0.004}$	1402	
$\Sigma_{i\neq j}$ -deformation				$pow_+$ -deformation			
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	
$t_{ m SW}$	$0.086^{+0.021}_{-0.026}$	$0.12145^{+0.019}_{-0.021}$	631	$0.00934^{+0.0041}_{-0.004}$	$0.01282^{+0.0041}_{-0.0038}$	538	
$t_{\overline{ ext{KS}}}$	$1.06868^{+0.021}_{-0.032}$	$1.08328^{+0.024}_{-0.026}$	573	$0.01297^{+0.0051}_{-0.0053}$	$0.01644^{+0.0049}_{-0.0049}$	587	
$t_{ m SKS}$	$\begin{array}{c} 1.06868^{+0.021}_{-0.032} \\ 0.11627^{+0.033}_{-0.037} \end{array}$	$0.15706^{+0.031}_{-0.032}$	792	$0.01054^{+0.0041}_{-0.0041}$	$0.01378^{+0.004}_{-0.0038}$	1031	
$t_{ m FGD}$	$0.02305^{+0.0059}_{-0.0067}$	$0.03144^{+0.0055}_{-0.0055}$	854	$0.00829^{+0.0042}_{-0.0033}$	$0.01111^{+0.004}_{-0.0031}$	550	
$t_{ m MMD}$	$0.12526^{+0.065}_{-0.05}$	$0.18131^{+0.063}_{-0.048}$	898	$0.00651^{+0.0041}_{-0.0028}$	$0.00925^{+0.0038}_{-0.0028}$	650	
$t_{ m LLR}$	-	-	-	$0.00249^{+0.0015}_{-0.0015}$	$0.00341^{+0.0015}_{-0.0015}$	1249	
$pow\deformation$				$\mathcal{N} ext{-} ext{deformation}$			
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%{ m CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	
$t_{ m SW}$	$0.01009^{+10}_{-0.0039}$	$0.01378_{-0.0038}^{+10} \\ 0.01681_{-0.0047}^{+0.0047}$	490	$0.38044^{+0.058}_{-0.072}$	$0.45299^{+0.053}_{-0.053}$	460	
$t_{\overline{ ext{KS}}}$	$0.01349^{+0.0049}$	$0.01681^{+0.0047}_{-0.0047}$	660	$0.31644^{+0.066}_{-0.079}$	$0.37026^{+0.051}_{-0.069}$	587	
$t_{ m SKS}$	$0.01086^{+0.0041}_{-0.0038}$	$0.01421^{+0.0039}_{-0.0037}$	1042	$0.37535^{+0.063}_{-0.076}$	$0.44166^{+0.055}_{-0.057}$	882	
$t_{ m FGD}$	$0.00888^{+0.0044}_{-0.0037}$	$0.01176^{+0.0041}_{-0.0022}$	554	$0.28641^{+0.029}_{-0.042}$	$0.32984^{+0.024}_{-0.022}$	447	
$t_{ m MMD}$	$0.00689^{+0.0044}_{-0.0031}$	$0.01004^{+0.0041}_{-0.0032}$	672	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$0.94639_{-0.12}^{+0.14}$	565	
$t_{ m LLR}$	$0.00214^{+0.0015}_{-0.0015}$	$0.00306^{+0.0015}_{-0.0015}$	1286	-	-	-	
$\mathcal{U}$ -deformation				Timing			
Statistic	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$t^{\text{null}}$ (s)			
$t_{ m SW}$	$0.65743^{+0.1}_{-0.13}$	$0.78411^{+0.081}_{-0.094}$	446	253			
$t_{\overline{ ext{KS}}}$	$0.54743^{+0.1}_{-0.13}$	$0.62772^{+0.085}_{-0.11}$	544	29			
$t_{ m SKS}$	$0.65034^{+0.1}_{-0.13}$	$0.76279^{+0.093}_{-0.1}$	859	341			
$t_{ m FGD}$	$\begin{array}{c c} 0.65034^{+0.15}_{-0.13} \\ \textbf{0.4938}^{+0.051}_{-0.067} \end{array}$	$0.57599^{+0.035}_{-0.044}$	<b>422</b>	323			
$t_{ m MMD}$	$1.36812^{+0.31}_{-0.28}$	$1.63622_{-0.2}^{+0.25}$	648	207			
$t_{ m LLR}$	_	-	-	-			