

CG model with $d = 5$ and $n = m = 5 \cdot 10^4$

μ -deformation						
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	Σ_{ii} -deformation		
				$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)
t_{SW}	$0.04284^{+0.023}_{-0.019}$	$0.05813^{+0.022}_{-0.019}$	571	$0.01631^{+0.0056}_{-0.0061}$	$0.02247^{+0.0053}_{-0.0054}$	635
$t_{\overline{KS}}$	$0.03969^{+0.019}_{-0.017}$	$0.05257^{+0.018}_{-0.017}$	376	$0.02757^{+0.0098}_{-0.011}$	$0.03802^{+0.0095}_{-0.0096}$	393
t_{SKS}	$0.04511^{+0.023}_{-0.02}$	$0.06047^{+0.022}_{-0.021}$	648	$0.02164^{+0.0077}_{-0.0084}$	$0.02958^{+0.0072}_{-0.0075}$	697
t_{FGD}	$0.0398^{+0.029}_{-0.019}$	$0.05631^{+0.026}_{-0.019}$	797	$0.0131^{+0.0069}_{-0.0056}$	$0.01812^{+0.0063}_{-0.0052}$	828
t_{MMD}	$0.05271^{+0.038}_{-0.025}$	$0.07325^{+0.036}_{-0.025}$	8012	$0.01512^{+0.011}_{-0.0072}$	$0.0211^{+0.01}_{-0.0073}$	8413
t_{LLR}	$0.01301^{+0.0092}_{-0.009}$	$0.01876^{+0.0091}_{-0.009}$	2396	$0.00271^{+0.0015}_{-0.0015}$	$0.0039^{+0.0015}_{-0.0015}$	3446
$\Sigma_{i \neq j}$ -deformation						
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	pow ₊ -deformation		
				$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)
t_{SW}	$0.01816^{+0.0047}_{-0.0056}$	$0.02635^{+0.0041}_{-0.0044}$	1029	$0.00417^{+0.0019}_{-0.0018}$	$0.00577^{+0.0019}_{-0.0017}$	647
$t_{\overline{KS}}$	$1.02787^{+0.0073}_{-0.009}$	$1.03299^{+0.015}_{-0.0035}$	732	$0.00583^{+0.0024}_{-0.0023}$	$0.00769^{+0.0023}_{-0.0022}$	417
t_{SKS}	$0.02437^{+0.007}_{-0.0081}$	$0.03375^{+0.0066}_{-0.0069}$	1128	$0.00469^{+0.002}_{-0.002}$	$0.00617^{+0.002}_{-0.0019}$	736
t_{FGD}	$0.00477^{+0.0011}_{-0.0012}$	$0.00662^{+0.00081}_{-0.001}$	1625	$0.00359^{+0.0022}_{-0.0017}$	$0.00496^{+0.002}_{-0.0016}$	927
t_{MMD}	$0.02806^{+0.016}_{-0.012}$	$0.03952^{+0.016}_{-0.012}$	8999	$0.00284^{+0.0021}_{-0.0014}$	$0.00398^{+0.002}_{-0.0014}$	9273
t_{LLR}	$0.02739^{+0.0094}_{-0.013}$	$0.0329^{+0.0095}_{-0.0097}$	3207	$0.00098^{+0.00058}_{-0.00057}$	$0.00142^{+0.00058}_{-0.00057}$	3659
pow ₋ -deformation						
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	\mathcal{N} -deformation		
				$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)
t_{SW}	$0.00413^{+5}_{-0.0018}$	$0.00579^{+5}_{-0.0018}$	588	$0.24644^{+0.04}_{-0.049}$	$0.29702^{+0.032}_{-0.038}$	527
$t_{\overline{KS}}$	$0.00575^{+0.0024}_{-0.0024}$	$0.00763^{+0.0022}_{-0.0022}$	418	$0.20579^{+0.037}_{-0.045}$	$0.24503^{+0.029}_{-0.032}$	362
t_{SKS}	$0.0047^{+0.002}_{-0.002}$	$0.00616^{+0.0019}_{-0.0018}$	741	$0.24062^{+0.041}_{-0.055}$	$0.28403^{+0.036}_{-0.039}$	611
t_{FGD}	$0.00358^{+0.002}_{-0.0014}$	$0.00501^{+0.0018}_{-0.0014}$	1012	$0.18192^{+0.02}_{-0.025}$	$0.21532^{+0.014}_{-0.016}$	787
t_{MMD}	$0.003^{+0.0022}_{-0.0014}$	$0.00421^{+0.0021}_{-0.0015}$	9129	$0.52411^{+0.13}_{-0.12}$	$0.61773^{+0.11}_{-0.098}$	6538
t_{LLR}	$0.0011^{+0.00057}_{-0.00058}$	$0.00153^{+0.00057}_{-0.00057}$	3561	-	-	-
\mathcal{U} -deformation						
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	Timing		
				t^{null} (s)		
t_{SW}	$0.42947^{+0.066}_{-0.087}$	$0.514^{+0.054}_{-0.063}$	515	305		
$t_{\overline{KS}}$	$0.35478^{+0.059}_{-0.077}$	$0.42387^{+0.05}_{-0.054}$	349	41		
t_{SKS}	$0.41645^{+0.071}_{-0.095}$	$0.49422^{+0.057}_{-0.072}$	593	469		
t_{FGD}	$0.31629^{+0.034}_{-0.044}$	$0.37162^{+0.023}_{-0.026}$	768	1015		
t_{MMD}	$0.90965^{+0.23}_{-0.21}$	$1.06663^{+0.2}_{-0.17}$	7192	13839		
t_{LLR}	-	-	-	-		