

CG model with d = 100 and n = m = 10 ⁴						
Statistic	μ -deformation			Σ_{ii} -deformation		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)
t_{SW}	0.08359 ^{+0.028} _{-0.034}	0.10651 ^{+0.025} _{-0.028}	846	0.03133 ^{+0.012} _{-0.014}	0.03977 ^{+0.011} _{-0.012}	889
$t_{\overline{KS}}$	0.08229 ^{+0.027} _{-0.033}	0.10339 ^{+0.025} _{-0.028}	653	0.03958 ^{+0.015} _{-0.018}	0.05039 ^{+0.014} _{-0.016}	689
t_{SKS}	0.08589 ^{+0.029} _{-0.037}	0.10945 ^{+0.026} _{-0.03}	942	0.04009 ^{+0.015} _{-0.019}	0.05107 ^{+0.014} _{-0.016}	1027
t_{FGD}	0.09233 ^{+0.032} _{-0.033}	0.11682 ^{+0.029} _{-0.027}	3410	0.02875^{+0.01}_{-0.011}	0.03664^{+0.0092}_{-0.0087}	3739
t_{MMD}	0.05661^{+0.03}_{-0.026}	0.07172^{+0.028}_{-0.024}	1163	0.0369 ^{+0.016} _{-0.016}	0.04633 ^{+0.015} _{-0.014}	1257
t_{NPLM}	0.03381 ^{+0.0098} _{-0.012}	0.04072 ^{+0.0092} _{-0.0097}	1548	0.01059 ^{+0.0031} _{-0.0038}	0.01304 ^{+0.0027} _{-0.0031}	1671
t_{LLR}	0.00541 ^{+0.0033} _{-0.0032}	0.00768 ^{+0.0033} _{-0.0032}	2277	0.00101 ^{+0.00073} _{-0.00071}	0.0015 ^{+0.00073} _{-0.00071}	2566
Statistic	$\Sigma_{i \neq j}$ -deformation			pow ₊ -deformation		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)
t_{SW}	0.07237 ^{+0.022} _{-0.032}	0.09344 ^{+0.019} _{-0.024}	3523	0.00693 ^{+0.0024} _{-0.003}	0.0088 ^{+0.0022} _{-0.0024}	944
$t_{\overline{KS}}$	1.04152 ^{+0.017} _{-0.023}	1.04671 ^{+0.016} _{-0.011}	9020	0.00853 ^{+0.0028} _{-0.0035}	0.01068 ^{+0.0025} _{-0.0029}	878
t_{SKS}	0.09506 ^{+0.034} _{-0.043}	0.12339 ^{+0.031} _{-0.035}	4982	0.00784 ^{+0.0026} _{-0.0034}	0.00985 ^{+0.0024} _{-0.0026}	1109
t_{FGD}	0.00627^{+0.002}_{-0.0025}	0.00822^{+0.0018}_{-0.0019}	8086	0.00707 ^{+0.0025} _{-0.0025}	0.00898 ^{+0.0022} _{-0.0021}	4281
t_{MMD}	0.05362 ^{+0.019} _{-0.018}	0.0671 ^{+0.018} _{-0.017}	6414	0.00447^{+0.0024}_{-0.0021}	0.00569^{+0.0022}_{-0.0019}	1027
t_{NPLM}	0.02272 ^{+0.0055} _{-0.0077}	0.02737 ^{+0.0045} _{-0.0061}	3786	0.00329 ^{+0.001} _{-0.0012}	0.00403 ^{+0.00091} _{-0.001}	1857
t_{LLR}	-	-	-	0.00038 ^{+0.00019} _{-0.0002}	0.00052 ^{+0.00019} _{-0.00019}	2640
Statistic	pow ₋ -deformation			\mathcal{N} -deformation		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)
t_{SW}	0.00702 ⁺⁵ _{-0.0032}	0.00889 ⁺⁵ _{-0.0026}	863	0.4895 ^{+0.084} _{-0.13}	0.55438 ^{+0.069} _{-0.087}	761
$t_{\overline{KS}}$	0.00823 ^{+0.0028} _{-0.0035}	0.01034 ^{+0.0025} _{-0.0029}	879	0.55303 ^{+0.094} _{-0.14}	0.6216 ^{+0.083} _{-0.098}	705
t_{SKS}	0.00765 ^{+0.0027} _{-0.0036}	0.00961 ^{+0.0024} _{-0.0028}	1120	0.53076 ^{+0.092} _{-0.16}	0.60111 ^{+0.075} _{-0.1}	898
t_{FGD}	0.00686 ^{+0.0026} _{-0.0026}	0.00886 ^{+0.0023} _{-0.0023}	4380	0.23754^{+0.029}_{-0.045}	0.26842^{+0.023}_{-0.03}	3350
t_{MMD}	0.00537^{+0.0023}_{-0.002}	0.00664^{+0.0022}_{-0.0018}	1039	1.21562 ^{+0.16} _{-0.25}	1.35657 ^{+0.13} _{-0.16}	803
t_{NPLM}	0.00374 ^{+0.00094} _{-0.0011}	0.0045 ^{+0.00084} _{-0.00094}	1806	0.31283 ^{+0.08} _{-0.11}	0.36949 ^{+0.062} _{-0.076}	1393
t_{LLR}	0.00033 ^{+0.00019} _{-0.0002}	0.00047 ^{+0.00019} _{-0.0002}	2712	-	-	-
Statistic	\mathcal{U} -deformation			Timing		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	t^{null} (s)		
t_{SW}	0.84895 ^{+0.14} _{-0.22}	0.96147 ^{+0.12} _{-0.15}	715	275		
$t_{\overline{KS}}$	0.95234 ^{+0.17} _{-0.24}	1.07042 ^{+0.14} _{-0.17}	680	491		
t_{SKS}	0.91554 ^{+0.16} _{-0.25}	1.04113 ^{+0.13} _{-0.19}	879	468		
t_{FGD}	0.41168^{+0.048}_{-0.076}	0.4652^{+0.039}_{-0.051}	3227	5381		
t_{MMD}	2.08745 ^{+0.3} _{-0.41}	2.34223 ^{+0.24} _{-0.27}	747	633		
t_{NPLM}	0.5447 ^{+0.13} _{-0.2}	0.6387 ^{+0.12} _{-0.16}	1314	2192		
t_{LLR}	-	-	-	-		