CG model with d = 5 and n = m = 5 · 10⁴

Statistic	μ-deformation			Σ_{ii}-deformation		
	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	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
$t_{\overline{\mathrm{KS}}}$	$\mathbf{0.03969^{+0.019}_{-0.017}}$	$\mathbf{0.05257^{+0.018}_{-0.017}}$	**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	$\mathbf{0.0131^{+0.0069}_{-0.0056}}$	$\mathbf{0.01812^{+0.0063}_{-0.0052}}$	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_{NPLM}	$0.04825^{+0.019}_{-0.019}$	$0.05879^{+0.018}_{-0.017}$	4170	$0.00911^{+0.0033}_{-0.0036}$	$0.01124^{+0.003}_{-0.003}$	4647
t_{NPLM}	$0.06095^{+0.022}_{-0.024}$	$0.07446^{+0.02}_{-0.02}$	18567	$0.01101^{+0.0037}_{-0.0042}$	$0.01365^{+0.0033}_{-0.0034}$	22686
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

Statistic	$\Sigma_{i\neq j}$-deformation			pow_+-deformation		
	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)
t_{SW}	$0.03645^{+0.0088}_{-0.011}$	$0.05224^{+0.0086}_{-0.0083}$	702	$0.00417^{+0.0019}_{-0.0018}$	$0.00577^{+0.0019}_{-0.0017}$	647
$t_{\overline{\mathrm{KS}}}$	$1.02787^{+0.0073}_{-0.009}$	$1.03299^{+0.015}_{-0.0035}$	**534**	$0.00583^{+0.0024}_{-0.0023}$	$0.00769^{+0.0023}_{-0.0022}$	**417**
t_{SKS}	$0.04981^{+0.013}_{-0.016}$	$0.06807^{+0.013}_{-0.014}$	782	$0.00469^{+0.002}_{-0.002}$	$0.00617^{+0.002}_{-0.0019}$	736
t_{FGD}	$\mathbf{0.00946^{+0.002}_{-0.0026}}$	$\mathbf{0.01304^{+0.0017}_{-0.0019}}$	1372	$0.00359^{+0.0022}_{-0.0017}$	$0.00496^{+0.002}_{-0.0016}$	927
t_{MMD}	$0.05583^{+0.033}_{-0.023}$	$0.07751^{+0.031}_{-0.023}$	8301	$\mathbf{0.00284^{+0.0021}_{-0.0014}}$	$\mathbf{0.00398^{+0.002}_{-0.0014}}$	9273
t_{NPLM}	$0.00241^{+0.00093}_{-0.001}$	$0.003^{+0.00097}_{-0.00087}$	5252	$0.00366^{+0.0014}_{-0.0014}$	$0.00451^{+0.0013}_{-0.0013}$	5228
t_{NPLM}	$0.00241^{+0.00099}_{-0.00091}$	$0.00311^{+0.00092}_{-0.00091}$	25569	$0.00422^{+0.0016}_{-0.0017}$	$0.00525^{+0.0014}_{-0.0015}$	31212
t_{LLR}	-	-	-	$0.00098^{+0.00058}_{-0.00057}$	$0.00142^{+0.00058}_{-0.00057}$	3659

Statistic	pow_--deformation			$\mathcal{N}$-deformation		
	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	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
$t_{\overline{\mathrm{KS}}}$	$0.00575^{+0.0024}_{-0.0024}$	$0.00763^{+0.0022}_{-0.0022}$	**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	$\mathbf{0.18192^{+0.02}_{-0.025}}$	$\mathbf{0.21532^{+0.014}_{-0.016}}$	787
t_{MMD}	$\mathbf{0.003^{+0.0022}_{-0.0014}}$	$\mathbf{0.00421^{+0.0021}_{-0.0015}}$	9129	$0.52411^{+0.13}_{-0.12}$	$0.61773^{+0.11}_{-0.098}$	6538
t_{NPLM}	$0.00387^{+0.0013}_{-0.0013}$	$0.00474^{+0.0011}_{-0.0011}$	5043	$0.08895^{+0.016}_{-0.022}$	$0.09921^{+0.014}_{-0.016}$	3905
t_{NPLM}	$0.00502^{+0.0012}_{-0.0014}$	$0.00606^{+0.0011}_{-0.0012}$	20342	$0.09769^{+0.016}_{-0.021}$	$0.10946^{+0.013}_{-0.016}$	15177
t_{LLR}	$0.0011^{+0.00057}_{-0.00058}$	$0.00153^{+0.00057}_{-0.00057}$	3561	-	-	-

Statistic	$\mathcal{U}$-deformation			Timing
	$\epsilon_{95\%\mathrm{CL}}$	$\epsilon_{99\%\mathrm{CL}}$	t (s)	t^{null} (s)
t_{SW}	$0.42947^{+0.066}_{-0.087}$	$0.514^{+0.054}_{-0.063}$	515	305
$t_{\overline{\mathrm{KS}}}$	$0.35478^{+0.059}_{-0.077}$	$0.42387^{+0.05}_{-0.054}$	**349**	**41**
t_{SKS}	$0.41645^{+0.071}_{-0.095}$	$0.49422^{+0.057}_{-0.072}$	593	469
t_{FGD}	$\mathbf{0.31629^{+0.034}_{-0.044}}$	$\mathbf{0.37162^{+0.023}_{-0.026}}$	768	1015
t_{MMD}	$0.90965^{+0.23}_{-0.21}$	$1.06663^{+0.2}_{-0.17}$	7192	13839
t_{NPLM}	$0.15416^{+0.027}_{-0.037}$	$0.17328^{+0.023}_{-0.028}$	3797	7447
t_{NPLM}	$0.16941^{+0.029}_{-0.039}$	$0.18982^{+0.022}_{-0.025}$	14426	35071
t_{LLR}	-	-	-	-

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