

| CG model with $d = 20$ 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} | $0.10922^{+0.046}_{-0.042}$ | $0.14806^{+0.045}_{-0.041}$ | 839 | $0.04571^{+0.015}_{-0.017}$ | $0.0619^{+0.014}_{-0.014}$ | 886 |
| $t_{\overline{KS}}$ | $0.10878^{+0.041}_{-0.041}$ | $0.1457^{+0.038}_{-0.039}$ | 395 | $0.06569^{+0.022}_{-0.024}$ | $0.08903^{+0.021}_{-0.021}$ | 439 |
| t_{SKS} | $0.11095^{+0.042}_{-0.041}$ | $0.14448^{+0.042}_{-0.039}$ | 754 | $0.0585^{+0.02}_{-0.021}$ | $0.07738^{+0.018}_{-0.019}$ | 794 |
| t_{FGD} | $0.10722^{+0.053}_{-0.044}$ | $0.14391^{+0.049}_{-0.04}$ | 675 | $0.03724^{+0.015}_{-0.014}$ | $0.04968^{+0.014}_{-0.012}$ | 719 |
| t_{MMD} | $0.13235^{+0.087}_{-0.058}$ | $0.18033^{+0.081}_{-0.057}$ | 482 | $0.05044^{+0.038}_{-0.023}$ | $0.06855^{+0.035}_{-0.023}$ | 527 |
| t_{NPLM} | $0.0575^{+0.018}_{-0.023}$ | $0.07103^{+0.017}_{-0.018}$ | 1030 | $0.01744^{+0.0073}_{-0.0086}$ | $0.02211^{+0.0066}_{-0.007}$ | 1097 |
| t_{NPLM} | $0.07454^{+0.019}_{-0.023}$ | $0.09106^{+0.017}_{-0.019}$ | 22790 | $0.01826^{+0.0063}_{-0.0072}$ | $0.02318^{+0.0058}_{-0.006}$ | 25063 |
| t_{LLR} | $0.01214^{+0.0077}_{-0.0077}$ | $0.0172^{+0.0078}_{-0.0077}$ | 948 | $0.00388^{+0.0021}_{-0.0021}$ | $0.00519^{+0.0021}_{-0.0021}$ | 1025 |
| 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} | $0.06146^{+0.017}_{-0.021}$ | $0.08828^{+0.014}_{-0.016}$ | 1046 | $0.01011^{+0.0037}_{-0.0037}$ | $0.01382^{+0.0034}_{-0.0034}$ | 1007 |
| $t_{\overline{KS}}$ | $1.06868^{+0.021}_{-0.023}$ | $1.09302^{+0.015}_{-0.026}$ | 1523 | $0.01342^{+0.0044}_{-0.0046}$ | $0.01781^{+0.004}_{-0.004}$ | 463 |
| t_{SKS} | $0.08431^{+0.026}_{-0.027}$ | $0.11388^{+0.022}_{-0.023}$ | 1122 | $0.01131^{+0.0038}_{-0.0039}$ | $0.01462^{+0.0034}_{-0.0036}$ | 856 |
| t_{FGD} | $0.01073^{+0.0029}_{-0.0036}$ | $0.01457^{+0.0025}_{-0.0027}$ | 1959 | $0.00904^{+0.004}_{-0.0035}$ | $0.01206^{+0.0035}_{-0.0031}$ | 767 |
| t_{MMD} | $0.05682^{+0.056}_{-0.038}$ | $0.08384^{+0.049}_{-0.037}$ | 1598 | $0.00794^{+0.0059}_{-0.0037}$ | $0.01072^{+0.0056}_{-0.0036}$ | 564 |
| t_{NPLM} | $0.00493^{+0.0019}_{-0.0023}$ | $0.00649^{+0.0016}_{-0.0018}$ | 1627 | $0.0051^{+0.0018}_{-0.0022}$ | $0.00643^{+0.0016}_{-0.0017}$ | 1227 |
| t_{NPLM} | $0.0045^{+0.0018}_{-0.002}$ | $0.00619^{+0.0017}_{-0.0019}$ | 32942 | $0.00523^{+0.0016}_{-0.0019}$ | $0.00659^{+0.0014}_{-0.0015}$ | 28908 |
| t_{LLR} | - | - | - | $0.00097^{+0.00057}_{-0.00057}$ | $0.00133^{+0.00058}_{-0.00057}$ | 1265 |
| Statistic | pow ₋ -deformation | | | \mathcal{N} -deformation | | |
| | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) |
| t_{SW} | $0.00994^{+10}_{-0.0041}$ | $0.0137^{+10}_{-0.0037}$ | 479 | $0.42914^{+0.071}_{-0.094}$ | $0.50927^{+0.058}_{-0.064}$ | 437 |
| $t_{\overline{KS}}$ | $0.01288^{+0.0046}_{-0.0051}$ | $0.01711^{+0.0041}_{-0.0045}$ | 569 | $0.48722^{+0.077}_{-0.11}$ | $0.58312^{+0.061}_{-0.08}$ | 461 |
| t_{SKS} | $0.01084^{+0.0039}_{-0.0043}$ | $0.01413^{+0.0036}_{-0.0039}$ | 875 | $0.42867^{+0.072}_{-0.09}$ | $0.49965^{+0.059}_{-0.072}$ | 865 |
| t_{FGD} | $0.00894^{+0.0043}_{-0.0037}$ | $0.01218^{+0.0038}_{-0.0034}$ | 767 | $0.25332^{+0.031}_{-0.044}$ | $0.29566^{+0.021}_{-0.028}$ | 622 |
| t_{MMD} | $0.00626^{+0.0064}_{-0.0042}$ | $0.00942^{+0.0059}_{-0.0042}$ | 591 | $1.07127^{+0.17}_{-0.21}$ | $1.26293^{+0.14}_{-0.14}$ | 450 |
| t_{NPLM} | $0.00629^{+0.002}_{-0.0025}$ | $0.00765^{+0.0018}_{-0.002}$ | 1172 | $0.14723^{+0.019}_{-0.033}$ | $0.16327^{+0.017}_{-0.021}$ | 932 |
| t_{NPLM} | $0.00782^{+0.002}_{-0.0023}$ | $0.00923^{+0.0017}_{-0.0019}$ | 24584 | $0.11166^{+0.016}_{-0.024}$ | $0.12529^{+0.013}_{-0.016}$ | 20169 |
| t_{LLR} | $0.0009^{+0.00057}_{-0.00058}$ | $0.00129^{+0.00057}_{-0.00058}$ | 1055 | - | - | - |
| Statistic | \mathcal{U} -deformation | | | Timing | | |
| | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) | t^{null} (s) | | |
| t_{SW} | $0.74247^{+0.12}_{-0.16}$ | $0.88112^{+0.1}_{-0.11}$ | 427 | 255 | | |
| $t_{\overline{KS}}$ | $0.82685^{+0.14}_{-0.16}$ | $0.98617^{+0.1}_{-0.13}$ | 472 | 91 | | |
| t_{SKS} | $0.73953^{+0.12}_{-0.16}$ | $0.86741^{+0.11}_{-0.13}$ | 847 | 338 | | |
| t_{FGD} | $0.4427^{+0.051}_{-0.077}$ | $0.50983^{+0.038}_{-0.043}$ | 555 | 596 | | |
| t_{MMD} | $1.84547^{+0.31}_{-0.37}$ | $2.19008^{+0.25}_{-0.22}$ | 500 | 210 | | |
| t_{NPLM} | $0.25377^{+0.036}_{-0.058}$ | $0.28498^{+0.026}_{-0.039}$ | 887 | 1384 | | |
| t_{NPLM} | $0.19307^{+0.027}_{-0.039}$ | $0.21664^{+0.022}_{-0.03}$ | 20532 | 40465 | | |
| t_{LLR} | - | - | - | - | | |