

CG model with $d = 20$ and $n = m = 10^5$

| μ -deformation | | | | | | |
|----------------------------------|---|---|-------------|---|---|------------|
| Statistic | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) |
| t_{SW} | $0.03129^{+0.017}_{-0.017}$ | $0.04371^{+0.017}_{-0.016}$ | 639 | $0.01426^{+0.005}_{-0.0059}$ | $0.01917^{+0.0048}_{-0.0048}$ | 665 |
| $t_{\overline{KS}}$ | $0.03141^{+0.016}_{-0.015}$ | $0.04347^{+0.015}_{-0.015}$ | 460 | $0.01967^{+0.0071}_{-0.0077}$ | $0.02735^{+0.0066}_{-0.007}$ | 472 |
| t_{SKS} | $0.03135^{+0.016}_{-0.016}$ | $0.04314^{+0.016}_{-0.015}$ | 769 | $0.018^{+0.0065}_{-0.0075}$ | $0.02411^{+0.0063}_{-0.0064}$ | 782 |
| t_{FGD} | $0.03111^{+0.021}_{-0.017}$ | $0.04221^{+0.019}_{-0.016}$ | 4255 | $0.01186^{+0.0054}_{-0.005}$ | $0.01569^{+0.0048}_{-0.0044}$ | 4335 |
| t_{MMD} | $0.04025^{+0.025}_{-0.019}$ | $0.05607^{+0.023}_{-0.018}$ | 9663 | $0.01562^{+0.01}_{-0.0074}$ | $0.02173^{+0.0094}_{-0.0071}$ | 10030 |
| t_{LLR} | $0.00359^{+0.0024}_{-0.0024}$ | $0.00499^{+0.0024}_{-0.0024}$ | 4610 | $0.00121^{+0.0007}_{-0.00069}$ | $0.00169^{+0.00069}_{-0.0007}$ | 5014 |
| $\Sigma_{i \neq j}$ -deformation | | | | | | |
| Statistic | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) |
| t_{SW} | $0.0092^{+0.0027}_{-0.0037}$ | $0.01296^{+0.0025}_{-0.0026}$ | 3030 | $0.00297^{+0.0014}_{-0.0015}$ | $0.00412^{+0.0013}_{-0.0013}$ | 704 |
| $t_{\overline{KS}}$ | $1.0196^{+0.0058}_{-0.0057}$ | $1.0239^{+0.013}_{-0.0025}$ | 2596 | $0.00399^{+0.0016}_{-0.0017}$ | $0.00538^{+0.0014}_{-0.0015}$ | 508 |
| t_{SKS} | $0.01053^{+0.0036}_{-0.0042}$ | $0.01484^{+0.0032}_{-0.0037}$ | 3823 | $0.00327^{+0.0013}_{-0.0015}$ | $0.00437^{+0.0013}_{-0.0013}$ | 837 |
| t_{FGD} | $0.0018^{+0.0004}_{-0.0006}$ | $0.00231^{+0.00035}_{-0.00041}$ | 9002 | $0.00271^{+0.0015}_{-0.0014}$ | $0.00361^{+0.0014}_{-0.0011}$ | 3416 |
| t_{MMD} | $0.00936^{+0.006}_{-0.0043}$ | $0.0131^{+0.0055}_{-0.0041}$ | 13103 | $0.00241^{+0.0016}_{-0.0012}$ | $0.00337^{+0.0015}_{-0.0011}$ | 11029 |
| t_{LLR} | $0.01074^{+0.0042}_{-0.0041}$ | $0.01372^{+0.004}_{-0.0046}$ | 8682 | $0.00029^{+0.00017}_{-0.00017}$ | $0.00041^{+0.00017}_{-0.00016}$ | 5378 |
| \mathcal{N} -deformation | | | | | | |
| Statistic | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) |
| t_{SW} | $0.00332^{+5}_{-0.0012}$ | $0.00448^{+5}_{-0.00099}$ | 636 | $0.2383^{+0.041}_{-0.058}$ | $0.2828^{+0.032}_{-0.039}$ | 527 |
| $t_{\overline{KS}}$ | $0.00427^{+0.0013}_{-0.0014}$ | $0.00565^{+0.0013}_{-0.0012}$ | 502 | $0.26557^{+0.046}_{-0.062}$ | $0.31516^{+0.036}_{-0.044}$ | 418 |
| t_{SKS} | $0.00361^{+0.0011}_{-0.0012}$ | $0.0047^{+0.0011}_{-0.001}$ | 826 | $0.23289^{+0.042}_{-0.057}$ | $0.27403^{+0.034}_{-0.041}$ | 672 |
| t_{FGD} | $0.00296^{+0.0012}_{-0.001}$ | $0.0039^{+0.0011}_{-0.00093}$ | 3369 | $0.14094^{+0.018}_{-0.027}$ | $0.16127^{+0.013}_{-0.016}$ | 2623 |
| t_{MMD} | $0.00241^{+0.0016}_{-0.0011}$ | $0.0034^{+0.0015}_{-0.0011}$ | 11032 | $0.60915^{+0.1}_{-0.12}$ | $0.71813^{+0.08}_{-0.08}$ | 7611 |
| t_{LLR} | $0.00031^{+0.00016}_{-0.00017}$ | $0.00043^{+0.00016}_{-0.00017}$ | 5381 | - | - | - |
| \mathcal{U} -deformation | | | | | | |
| Statistic | $\epsilon_{95\%CL}$ | $\epsilon_{99\%CL}$ | t (s) | t^{null} (s) | Timing | |
| t_{SW} | $0.41249^{+0.072}_{-0.1}$ | $0.49115^{+0.057}_{-0.069}$ | 515 | 358 | | |
| $t_{\overline{KS}}$ | $0.45649^{+0.083}_{-0.1}$ | $0.54354^{+0.064}_{-0.073}$ | 402 | 224 | | |
| t_{SKS} | $0.40164^{+0.076}_{-0.096}$ | $0.47562^{+0.061}_{-0.07}$ | 663 | 702 | | |
| t_{FGD} | $0.24366^{+0.031}_{-0.046}$ | $0.27881^{+0.023}_{-0.027}$ | 2511 | 6325 | | |
| t_{MMD} | $1.06239^{+0.16}_{-0.22}$ | $1.24837^{+0.14}_{-0.14}$ | 8273 | 16601 | | |
| t_{LLR} | - | - | - | - | | |