

CG model with d = 5 and n = m = 10 <sup>5</sup>						
Statistic	$\mu$ -deformation			$\Sigma_{ii}$ -deformation		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)
$t_{SW}$	0.02998 <sup>+0.014</sup> <sub>-0.013</sub>	0.0404 <sup>+0.014</sup> <sub>-0.012</sub>	628	0.01242 <sup>+0.004</sup> <sub>-0.0038</sub>	0.0167 <sup>+0.0039</sup> <sub>-0.0036</sub>	655
$t_{\overline{KS}}$	<b>0.02652</b> <sup>+0.011</sup> <sub>-0.011</sub>	<b>0.03393</b> <sup>+0.011</sup> <sub>-0.011</sub>	<b>412</b>	0.02063 <sup>+0.0065</sup> <sub>-0.007</sub>	0.02676 <sup>+0.0059</sup> <sub>-0.0065</sub>	<b>431</b>
$t_{SKS}$	0.03198 <sup>+0.014</sup> <sub>-0.013</sub>	0.04336 <sup>+0.013</sup> <sub>-0.013</sub>	762	0.01678 <sup>+0.0048</sup> <sub>-0.005</sub>	0.02286 <sup>+0.0046</sup> <sub>-0.0048</sub>	792
$t_{FGD}$	0.02961 <sup>+0.017</sup> <sub>-0.012</sub>	0.03908 <sup>+0.016</sup> <sub>-0.012</sub>	1484	0.01067 <sup>+0.0046</sup> <sub>-0.0037</sub>	<b>0.01371</b> <sup>+0.0043</sup> <sub>-0.0035</sub>	1498
$t_{MMD}$	0.03647 <sup>+0.027</sup> <sub>-0.018</sub>	0.05258 <sup>+0.026</sup> <sub>-0.018</sub>	9485	<b>0.01056</b> <sup>+0.0079</sup> <sub>-0.0051</sub>	0.01523 <sup>+0.0074</sup> <sub>-0.0052</sub>	10186
$t_{NPLM}$	0.03432 <sup>+0.012</sup> <sub>-0.013</sub>	0.04196 <sup>+0.011</sup> <sub>-0.011</sub>	11970	0.00673 <sup>+0.0026</sup> <sub>-0.0028</sub>	0.00826 <sup>+0.0025</sup> <sub>-0.0024</sub>	13493
$t_{LLR}$	0.00908 <sup>+0.006</sup> <sub>-0.0061</sub>	0.01277 <sup>+0.006</sup> <sub>-0.0061</sub>	4974	0.00198 <sup>+0.0012</sup> <sub>-0.0012</sub>	0.00279 <sup>+0.0012</sup> <sub>-0.0012</sub>	6312
Statistic	$\Sigma_{i \neq j}$ -deformation			pow <sub>+</sub> -deformation		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)
$t_{SW}$	0.0268 <sup>+0.0063</sup> <sub>-0.0071</sub>	0.038 <sup>+0.0053</sup> <sub>-0.0059</sub>	737	0.00308 <sup>+0.0014</sup> <sub>-0.0012</sub>	0.00421 <sup>+0.0013</sup> <sub>-0.0012</sub>	697
$t_{\overline{KS}}$	1.01714 <sup>+0.0083</sup> <sub>-0.0035</sub>	1.02769 <sup>+0.0015</sup> <sub>-0.011</sub>	<b>574</b>	0.00418 <sup>+0.0016</sup> <sub>-0.0015</sub>	0.00528 <sup>+0.0015</sup> <sub>-0.0014</sub>	<b>462</b>
$t_{SKS}$	0.03693 <sup>+0.0089</sup> <sub>-0.01</sub>	0.05083 <sup>+0.0081</sup> <sub>-0.0088</sub>	869	0.00345 <sup>+0.0013</sup> <sub>-0.0012</sub>	0.00455 <sup>+0.0013</sup> <sub>-0.0012</sub>	846
$t_{FGD}$	<b>0.00711</b> <sup>+0.0017</sup> <sub>-0.002</sub>	<b>0.00923</b> <sup>+0.0015</sup> <sub>-0.0016</sub>	2029	0.00278 <sup>+0.0015</sup> <sub>-0.0011</sub>	0.00363 <sup>+0.0014</sup> <sub>-0.0011</sub>	1539
$t_{MMD}$	0.04051 <sup>+0.026</sup> <sub>-0.02</sub>	0.05706 <sup>+0.023</sup> <sub>-0.018</sub>	10010	<b>0.00199</b> <sup>+0.0015</sup> <sub>-0.00098</sub>	<b>0.00286</b> <sup>+0.0014</sup> <sub>-0.00098</sub>	10854
$t_{NPLM}$	0.0018 <sup>+0.00066</sup> <sub>-0.0007</sub>	0.00221 <sup>+0.00066</sup> <sub>-0.00063</sub>	14883	0.00264 <sup>+0.001</sup> <sub>-0.0011</sub>	0.00324 <sup>+0.00097</sup> <sub>-0.00093</sub>	14624
$t_{LLR}$	-	-	-	0.00074 <sup>+0.00046</sup> <sub>-0.00046</sub>	0.00103 <sup>+0.00046</sup> <sub>-0.00046</sub>	4937
Statistic	pow <sub>-</sub> -deformation			$\mathcal{N}$ -deformation		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)
$t_{SW}$	0.00299 <sup>+5</sup> <sub>-0.0011</sub>	0.00411 <sup>+5</sup> <sub>-0.0011</sub>	681	0.21417 <sup>+0.031</sup> <sub>-0.035</sub>	0.25369 <sup>+0.025</sup> <sub>-0.026</sub>	639
$t_{\overline{KS}}$	0.00408 <sup>+0.0015</sup> <sub>-0.0016</sub>	0.00518 <sup>+0.0015</sup> <sub>-0.0015</sub>	<b>464</b>	0.17628 <sup>+0.029</sup> <sub>-0.036</sub>	0.20261 <sup>+0.025</sup> <sub>-0.027</sub>	<b>400</b>
$t_{SKS}$	0.00339 <sup>+0.0013</sup> <sub>-0.0012</sub>	0.00452 <sup>+0.0012</sup> <sub>-0.0012</sub>	855	0.20906 <sup>+0.03</sup> <sub>-0.034</sub>	0.24763 <sup>+0.025</sup> <sub>-0.026</sub>	695
$t_{FGD}$	0.00265 <sup>+0.0015</sup> <sub>-0.0013</sub>	0.0035 <sup>+0.0014</sup> <sub>-0.0012</sub>	1568	<b>0.15901</b> <sup>+0.017</sup> <sub>-0.022</sub>	<b>0.18192</b> <sup>+0.013</sup> <sub>-0.015</sub>	1177
$t_{MMD}$	<b>0.00216</b> <sup>+0.0017</sup> <sub>-0.0011</sub>	<b>0.00308</b> <sup>+0.0016</sup> <sub>-0.0011</sub>	13727	0.43774 <sup>+0.11</sup> <sub>-0.11</sub>	0.52451 <sup>+0.09</sup> <sub>-0.078</sub>	7791
$t_{NPLM}$	0.00289 <sup>+0.001</sup> <sub>-0.0011</sub>	0.0035 <sup>+0.00092</sup> <sub>-0.00093</sub>	14324	0.07635 <sup>+0.014</sup> <sub>-0.02</sub>	0.08516 <sup>+0.012</sup> <sub>-0.014</sub>	10958
$t_{LLR}$	0.00074 <sup>+0.00046</sup> <sub>-0.00046</sub>	0.00104 <sup>+0.00045</sup> <sub>-0.00046</sub>	4854	-	-	-
Statistic	$\mathcal{U}$ -deformation			Timing		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)	$t^{\text{null}}$ (s)		
$t_{SW}$	0.37144 <sup>+0.052</sup> <sub>-0.061</sub>	0.43998 <sup>+0.044</sup> <sub>-0.048</sub>	621	350		
$t_{\overline{KS}}$	0.30398 <sup>+0.046</sup> <sub>-0.065</sub>	0.35106 <sup>+0.039</sup> <sub>-0.05</sub>	<b>380</b>	<b>68</b>		
$t_{SKS}$	0.3622 <sup>+0.049</sup> <sub>-0.063</sub>	0.42903 <sup>+0.043</sup> <sub>-0.048</sub>	663	662		
$t_{FGD}$	<b>0.27764</b> <sup>+0.028</sup> <sub>-0.04</sub>	<b>0.31558</b> <sup>+0.021</sup> <sub>-0.026</sub>	1125	1864		
$t_{MMD}$	0.75881 <sup>+0.19</sup> <sub>-0.19</sub>	0.90445 <sup>+0.16</sup> <sub>-0.14</sub>	9541	16275		
$t_{NPLM}$	0.13278 <sup>+0.024</sup> <sub>-0.035</sub>	0.1474 <sup>+0.02</sup> <sub>-0.023</sub>	10468	21154		
$t_{LLR}$	-	-	-	-		