

CG model with d = 100 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)
$t_{SW}$	0.02667 <sup>+0.0083</sup> <sub>-0.0098</sub>	0.03433 <sup>+0.0074</sup> <sub>-0.008</sub>	<b>725</b>	0.01065 <sup>+0.0031</sup> <sub>-0.0038</sub>	0.01351 <sup>+0.0028</sup> <sub>-0.003</sub>	<b>753</b>
$t_{\overline{KS}}$	0.02531 <sup>+0.0078</sup> <sub>-0.0089</sub>	0.03236 <sup>+0.0073</sup> <sub>-0.0079</sub>	1179	0.0127 <sup>+0.0042</sup> <sub>-0.0049</sub>	0.01612 <sup>+0.004</sup> <sub>-0.0042</sub>	1267
$t_{SKS}$	0.02742 <sup>+0.0084</sup> <sub>-0.01</sub>	0.03493 <sup>+0.0077</sup> <sub>-0.0086</sub>	1219	0.01323 <sup>+0.0042</sup> <sub>-0.0052</sub>	0.01674 <sup>+0.0038</sup> <sub>-0.0043</sub>	1311
$t_{FGD}$	0.0292 <sup>+0.01</sup> <sub>-0.011</sub>	0.03631 <sup>+0.0089</sup> <sub>-0.0088</sub>	18261	<b>0.0095<sup>+0.0028</sup></b> <sub>-0.0031</sub>	<b>0.01169<sup>+0.0026</sup></b> <sub>-0.0026</sub>	18550
$t_{MMD}$	<b>0.0207<sup>+0.0092</sup></b> <sub>-0.0077</sub>	<b>0.02578<sup>+0.0087</sup></b> <sub>-0.0071</sub>	13097	0.01289 <sup>+0.005</sup> <sub>-0.0045</sub>	0.01617 <sup>+0.0047</sup> <sub>-0.004</sub>	11384
$t_{NPLM}$	0.01096 <sup>+0.0038</sup> <sub>-0.0051</sub>	0.01355 <sup>+0.0033</sup> <sub>-0.0038</sub>	47134	0.00309 <sup>+0.001</sup> <sub>-0.0014</sub>	0.00383 <sup>+0.00087</sup> <sub>-0.0011</sub>	34168
$t_{LLR}$	0.00164 <sup>+0.0012</sup> <sub>-0.0012</sub>	0.00237 <sup>+0.0012</sup> <sub>-0.0012</sub>	15370	0.00031 <sup>+0.00021</sup> <sub>-0.00022</sub>	0.00045 <sup>+0.00022</sup> <sub>-0.00022</sub>	16289
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)
$t_{SW}$	0.02377 <sup>+0.0066</sup> <sub>-0.0087</sub>	0.03118 <sup>+0.0056</sup> <sub>-0.0069</sub>	<b>3290</b>	0.00229 <sup>+0.00068</sup> <sub>-0.00082</sub>	0.00293 <sup>+0.00062</sup> <sub>-0.00067</sub>	<b>797</b>
$t_{\overline{KS}}$	1.01551 <sup>+0.0021</sup> <sub>-0.012</sub>	1.01751 <sup>+0.002</sup> <sub>-0.0019</sub>	7986	0.0027 <sup>+0.0008</sup> <sub>-0.00094</sub>	0.0034 <sup>+0.00073</sup> <sub>-0.0008</sub>	1351
$t_{SKS}$	0.03165 <sup>+0.01</sup> <sub>-0.014</sub>	0.04062 <sup>+0.0099</sup> <sub>-0.011</sub>	3941	0.00254 <sup>+0.00073</sup> <sub>-0.00093</sub>	0.00319 <sup>+0.00067</sup> <sub>-0.00074</sub>	1405
$t_{FGD}$	<b>0.0023<sup>+0.0005</sup></b> <sub>-0.0008</sub>	<b>0.00279<sup>+0.0005</sup></b> <sub>-0.0006</sub>	27911	0.00232 <sup>+0.00071</sup> <sub>-0.0008</sub>	0.00286 <sup>+0.00064</sup> <sub>-0.00066</sub>	19919
$t_{MMD}$	0.0153 <sup>+0.0067</sup> <sub>-0.0062</sub>	0.01957 <sup>+0.0065</sup> <sub>-0.0054</sub>	14216	<b>0.00163<sup>+0.00076</sup></b> <sub>-0.0006</sub>	<b>0.00205<sup>+0.00071</sup></b> <sub>-0.00058</sub>	12499
$t_{NPLM}$	0.0041 <sup>+0.0015</sup> <sub>-0.0026</sub>	0.00521 <sup>+0.0012</sup> <sub>-0.0017</sub>	57914	0.00108 <sup>+0.00036</sup> <sub>-0.00051</sub>	0.00133 <sup>+0.00031</sup> <sub>-0.00038</sub>	34064
$t_{LLR}$	-	-	-	0.0001 <sup>+7e-05</sup> <sub>-7e-05</sub>	0.00015 <sup>+7e-05</sup> <sub>-7e-05</sub>	21800
Statistic	pow <sub>-</sub> -deformation			$\mathcal{N}$ -deformation		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)
$t_{SW}$	0.00229 <sup>+5</sup> <sub>-0.00096</sub>	0.00293 <sup>+5</sup> <sub>-0.00079</sub>	<b>717</b>	0.28179 <sup>+0.039</sup> <sub>-0.054</sub>	0.32012 <sup>+0.032</sup> <sub>-0.037</sub>	<b>619</b>
$t_{\overline{KS}}$	0.0027 <sup>+0.00084</sup> <sub>-0.001</sub>	0.0034 <sup>+0.00073</sup> <sub>-0.00085</sub>	1373	0.3116 <sup>+0.049</sup> <sub>-0.067</sub>	0.35101 <sup>+0.042</sup> <sub>-0.049</sub>	1063
$t_{SKS}$	0.00253 <sup>+0.00087</sup> <sub>-0.0011</sub>	0.00316 <sup>+0.0008</sup> <sub>-0.00092</sub>	1404	0.30315 <sup>+0.045</sup> <sub>-0.07</sub>	0.34204 <sup>+0.037</sup> <sub>-0.05</sub>	1102
$t_{FGD}$	0.00225 <sup>+0.00076</sup> <sub>-0.00086</sub>	0.00278 <sup>+0.00071</sup> <sub>-0.0007</sub>	20138	<b>0.13244<sup>+0.016</sup></b> <sub>-0.023</sub>	<b>0.1479<sup>+0.011</sup></b> <sub>-0.016</sub>	15260
$t_{MMD}$	<b>0.00143<sup>+0.00077</sup></b> <sub>-0.00064</sub>	<b>0.00185<sup>+0.00073</sup></b> <sub>-0.0006</sub>	12506	0.68952 <sup>+0.078</sup> <sub>-0.098</sub>	0.77914 <sup>+0.057</sup> <sub>-0.067</sub>	8037
$t_{NPLM}$	0.00118 <sup>+0.00038</sup> <sub>-0.00053</sub>	0.00144 <sup>+0.00034</sup> <sub>-0.0004</sub>	55477	0.16858 <sup>+0.034</sup> <sub>-0.071</sub>	0.19432 <sup>+0.024</sup> <sub>-0.037</sub>	19393
$t_{LLR}$	0.00012 <sup>+7e-05</sup> <sub>-7e-05</sub>	0.00017 <sup>+7e-05</sup> <sub>-7e-05</sub>	17336	-	-	-
Statistic	$\mathcal{U}$ -deformation			Timing		
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)	$t^{\text{null}}$ (s)		
$t_{SW}$	0.4924 <sup>+0.067</sup> <sub>-0.098</sub>	0.55614 <sup>+0.053</sup> <sub>-0.064</sub>	<b>588</b>	<b>394</b>		
$t_{\overline{KS}}$	0.54132 <sup>+0.081</sup> <sub>-0.12</sub>	0.60655 <sup>+0.069</sup> <sub>-0.083</sub>	1034	1499		
$t_{SKS}$	0.52074 <sup>+0.082</sup> <sub>-0.12</sub>	0.59085 <sup>+0.066</sup> <sub>-0.087</sub>	1039	1603		
$t_{FGD}$	<b>0.22963<sup>+0.025</sup></b> <sub>-0.04</sub>	<b>0.25498<sup>+0.021</sup></b> <sub>-0.028</sub>	14613	51866		
$t_{MMD}$	1.19904 <sup>+0.13</sup> <sub>-0.18</sub>	1.34688 <sup>+0.11</sup> <sub>-0.12</sub>	8790	18801		
$t_{NPLM}$	0.29199 <sup>+0.059</sup> <sub>-0.12</sub>	0.33486 <sup>+0.045</sup> <sub>-0.064</sub>	20854	62372		
$t_{LLR}$	-	-	-	-		