

$\mathbf{n} = \mathbf{m} = 10^4$						
μ -deformation				Σ_{ii} -deformation		
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)
t_{LLR}	$0.01053^{+0.0046}_{-0.0046}$	$0.01415^{+0.0045}_{-0.0047}$	1304	$0.00253^{+0.0013}_{-0.0014}$	$0.00353^{+0.0013}_{-0.0014}$	1503
\overline{D}	$0.06957^{+0.034}_{-0.032}$	$0.09504^{+0.032}_{-0.032}$	366	$0.04632^{+0.015}_{-0.015}$	$0.06199^{+0.014}_{-0.014}$	386
\widetilde{D}	$0.0699^{+0.033}_{-0.031}$	$0.09548^{+0.032}_{-0.03}$	578	$0.04131^{+0.013}_{-0.014}$	$0.05484^{+0.012}_{-0.012}$	620
\widetilde{W}	$0.07086^{+0.034}_{-0.031}$	$0.09763^{+0.033}_{-0.03}$	495	$0.03243^{+0.0098}_{-0.01}$	$0.04336^{+0.0093}_{-0.0091}$	525
$d_{FGD\infty}$	$0.07185^{+0.041}_{-0.032}$	$0.09756^{+0.038}_{-0.03}$	1094	$0.0269^{+0.01}_{-0.0088}$	$0.03574^{+0.0091}_{-0.0081}$	1178
$d_{MMD_u^2}$	$0.08449^{+0.064}_{-0.049}$	$0.11846^{+0.06}_{-0.045}$	1572	$0.03081^{+0.026}_{-0.018}$	$0.04364^{+0.024}_{-0.017}$	1678
$\Sigma_{i \neq j}$ -deformation				pow ₊ -deformation		
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)
t_{LLR}	$0.00011^{+6e-05}_{-7e-05}$	$0.00015^{+7e-05}_{-6e-05}$	1984	$0.00069^{+0.0004}_{-0.0004}$	$0.00098^{+0.00039}_{-0.0004}$	1627
$d_{FGD\infty}$	$0.00371^{+0.00088}_{-0.001}$	$0.005^{+0.0007}_{-0.00081}$	1094	$0.00623^{+0.003}_{-0.0025}$	$0.00837^{+0.0027}_{-0.0023}$	1084
\widetilde{D}	$0.01625^{+0.0056}_{-0.0063}$	$0.02363^{+0.0053}_{-0.0057}$	788	$0.00745^{+0.0027}_{-0.0029}$	$0.0099^{+0.0025}_{-0.0026}$	630
\widetilde{W}	$0.01835^{+0.0049}_{-0.0057}$	$0.02656^{+0.0045}_{-0.0047}$	530	$0.00681^{+0.0027}_{-0.0027}$	$0.00928^{+0.0025}_{-0.0025}$	565
$d_{MMD_u^2}$	$0.0216^{+0.014}_{-0.0093}$	$0.02992^{+0.013}_{-0.0094}$	1699	$0.00488^{+0.0042}_{-0.0029}$	$0.00687^{+0.0039}_{-0.0027}$	1853
\overline{D}	$1.02012^{+0.01}_{-0.005}$	$1.02919^{+0.003}_{-0.0035}$	255	$0.00901^{+0.0033}_{-0.0034}$	$0.01206^{+0.003}_{-0.0032}$	422
pow ₋ -deformation				\mathcal{N} -deformation		
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)
t_{LLR}	$0.00061^{+0.0004}_{-0.0004}$	$0.0009^{+0.00039}_{-0.0004}$	1651	NaN	NaN	NaN
$d_{MMD_u^2}$	$0.00568^{+0.0037}_{-0.0025}$	$0.00784^{+0.0036}_{-0.0025}$	1924	$0.87964^{+0.19}_{-0.23}$	$1.04846^{+0.14}_{-0.15}$	$1.4e+03$
$d_{FGD\infty}$	$0.0067^{+0.0027}_{-0.0023}$	$0.00886^{+0.0025}_{-0.0021}$	1089	$0.21348^{+0.022}_{-0.03}$	$0.24723^{+0.014}_{-0.019}$	$8.5e+02$
\widetilde{W}	$0.00748^{+5}_{-0.0026}$	$0.01003^{+5}_{-0.0024}$	513	$0.36054^{+0.048}_{-0.063}$	$0.42418^{+0.041}_{-0.045}$	$4.7e+02$
\widetilde{D}	$0.00803^{+0.0027}_{-0.0029}$	$0.01046^{+0.0025}_{-0.0026}$	634	$0.35347^{+0.055}_{-0.07}$	$0.41869^{+0.042}_{-0.056}$	$5.2e+02$
\overline{D}	$0.00946^{+0.003}_{-0.0031}$	$0.01227^{+0.0029}_{-0.0028}$	416	$0.40421^{+0.061}_{-0.079}$	$0.47653^{+0.053}_{-0.058}$	$3.5e+02$
\mathcal{U} -deformation				Timing		
Statistic	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	t (s)	t^{null} (s)		
$d_{FGD\infty}$	$0.37006^{+0.038}_{-0.053}$	$0.42858^{+0.025}_{-0.033}$	$8.1e+02$	1150		
\overline{D}	$0.69433^{+0.11}_{-0.13}$	$0.8144^{+0.099}_{-0.1}$	$3.4e+02$	108		
$d_{MMD_u^2}$	$1.53597^{+0.32}_{-0.42}$	$1.81389^{+0.26}_{-0.27}$	$1.4e+03$	2284		
\widetilde{D}	$0.61401^{+0.092}_{-0.12}$	$0.72149^{+0.078}_{-0.092}$	$5e+02$	398		