

MoG model with $d = 20$ , $q = 5$ and $n = m = 5 \cdot 10^4$						
Statistic	$\mu$ -deformation			$t$ (s)	$\Sigma_{ii}$ -deformation	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$			$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$
$t_{NPLM}$	$0.00573^{+0.0017}_{-0.0022}$	$0.007^{+0.0016}_{-0.0018}$	15953		$0.00131^{+0.0005}_{-0.0006}$	$0.00161^{+0.00046}_{-0.00048}$
Statistic	$\Sigma_{i \neq j}$ -deformation			$t$ (s)	$\text{pow}_+$ -deformation	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$			$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$
$t_{NPLM}$	$0.0012^{+0.00039}_{-0.0005}$	$0.0015^{+0.00036}_{-0.0004}$	18640		$0.00049^{+0.00018}_{-0.00023}$	$0.0006^{+0.00017}_{-0.00018}$
Statistic	$\text{pow}_-$ -deformation			$t$ (s)	$\mathcal{N}$ -deformation	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$			$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$
$t_{NPLM}$	$0.00051^{+0.00014}_{-0.00018}$	$0.00063^{+0.00012}_{-0.00014}$	19802		$0.08319^{+0.014}_{-0.023}$	$0.09371^{+0.011}_{-0.015}$
Statistic	$\mathcal{U}$ -deformation			$t$ (s)	Timing	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$			$t^{\text{null}}$ (s)	
$t_{NPLM}$	$0.144^{+0.025}_{-0.039}$	$0.16221^{+0.019}_{-0.026}$	13245		22883	