

MoG model with $d = 100$ , $q = 10$ and $n = m = 5 \cdot 10^4$						
Statistic	$\mu$ -deformation			Statistic	$\Sigma_{ii}$ -deformation	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)		$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$
$t_{NPLM}$	$0.00416^{+0.0013}_{-0.0017}$	$0.00505^{+0.0011}_{-0.0014}$	17371		$0.0013^{+0.0004}_{-0.00053}$	$0.00158^{+0.00034}_{-0.00041}$
Statistic	$\Sigma_{i \neq j}$ -deformation			Statistic	$\text{pow}_+$ -deformation	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)		$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$
$t_{NPLM}$	$0.0019^{+0.0007}_{-0.0008}$	$0.00241^{+0.00059}_{-0.0007}$	25479		$0.0005^{+0.00015}_{-0.0002}$	$0.00061^{+0.00013}_{-0.00016}$
Statistic	$\text{pow}_-$ -deformation			Statistic	$\mathcal{N}$ -deformation	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)		$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$
$t_{NPLM}$	$0.00053^{+0.00017}_{-0.00021}$	$0.00064^{+0.00014}_{-0.00017}$	33036		$0.14778^{+0.028}_{-0.048}$	$0.16898^{+0.023}_{-0.033}$
Statistic	$\mathcal{U}$ -deformation			Statistic	Timing	
	$\epsilon_{95\%CL}$	$\epsilon_{99\%CL}$	$t$ (s)		$t^{\text{null}}$ (s)	
$t_{NPLM}$	$0.25424^{+0.049}_{-0.083}$	$0.29307^{+0.036}_{-0.058}$	11622		9585	